

Appendix E

Air Quality, Energy, and Greenhouse
Gas Modeling Results (November 2022)

CalEEMod VMT Calculator - Phase 2

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the MITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

Annual VMT **85,828,368**

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
Elementary School	16.8	15.1	11	65.0%	30.0%	5.0%	63.0%	25.0%	12.0%
All Other Uses	15.00	11.90	10.50	40.2%	19.2%	40.6%	86.0%	11.0%	3.0%

Total Trips

Total Trips = (TripRate weekday x 5 + Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			Total Trips (weekly)
	weekday	Saturday	Sunday	
Elementary School	2,221.56	0.00	0.00	11,107.80
All Other Uses	19,542.60	19,542.60	19,542.60	136,798.20

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary + link % diverted x 0.25 x length trip primary + link % passby x 0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use	link % primary	trip length primary	link % diverted	Constant (0.25)	trip length primary	link % passby	constant	Trip Length
Elementary School								
H-W or c-w	63.0%	16.80	25.0%	0.25	16.8	12.0%	0.1	11.6
h-s or c-c	63.0%	15.10	25.0%	0.25	15.1	12.0%	0.1	10.5
h-o or c-o	63.0%	11.00	25.0%	0.25	11	12.0%	0.1	7.6
All Other Uses								
H-W or c-w	86.0%	15.00	11.0%	0.25	15.00	3.0%	0.1	13.3
h-s or c-c	86.0%	11.90	11.0%	0.25	11.90	3.0%	0.1	10.6
h-o or c-o	86.0%	10.50	11.0%	0.25	10.50	3.0%	0.1	9.3

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type

Elementary School	# trips	trip length	Weekly VMT	Annual VMT
H-W or c-w	7,220	11.6	84,085	
h-s or c-c	3,332	10.5	34,885	
h-o or c-o	555	7.6	4,237	
			123,208	6,406,801.32
All Other Uses				
H-W or c-w	54,993	13.3	732,258	
h-s or c-c	26,265	10.6	277,473	
h-o or c-o	55,540	9.3	517,731	
Total VMT			1,527,461	79,427,971.98

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT from Each Land Use

1,650,668.72

Weeks per Year CalEEMod Uses for Annual VMT

52.00

52.0000 52.14285714

Calculated Annual VMT

85,834,773

85,834,773

6,405.29

CalEEMod VMT Calculator - 1990 GVSP EIR

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the MITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

Annual VMT

50,575,597

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
Apartments	1	1	1	40.2%	19.2%	40.6%	86.0%	11.0%	3.0%
City Park	1	1	1	33.0%	48.0%	19.0%	66.0%	28.0%	6.0%
Elementary School	1	1	1.2	65.0%	30.0%	5.0%	63.0%	25.0%	12.0%
Single Family	1	1	1.2	40.2%	19.2%	40.6%	86.0%	11.0%	3.0%
Supermarket	3	3	2.1	6.5%	74.5%	19.0%	34.0%	30.0%	36.0%

Total Trips

Total Trips = (TripRate weekday x 5 + Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			Total Trips (weekly)
	weekday	Saturday	Sunday	
Apartments	1,346.88	1,497.76	1,155.52	9,387.68
City Park	3.82	9.60	10.73	39.45
Elementary School	7,567.51	0.00	0.00	37,837.57
Single Family	9,411.68	9,511.38	8,524.35	65,094.13
Supermarket	87,909.84	146,230.99	137,051.42	722,831.61

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary + link % diverted x 0.25 x length trip primary + link % passby x 0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use

Land Use	link % primary	trip length primary	link % diverted	Constant (0.25)	trip length primary	link % passby	constant	Trip Length
Apartments								
H-W or c-w	86.0%	1.00	11.0%	0.25	1	3.0%	0.1	0.9
h-s or c-c	86.0%	1.00	11.0%	0.25	1	3.0%	0.1	0.9
h-o or c-o	86.0%	1.00	11.0%	0.25	1	3.0%	0.1	0.9
City Park								
H-W or c-w	66.0%	1.00	28.0%	0.25	1.00	6.0%	0.1	0.7
h-s or c-c	66.0%	1.00	28.0%	0.25	1.00	6.0%	0.1	0.7
h-o or c-o	66.0%	1.00	28.0%	0.25	1.00	6.0%	0.1	0.7
Elementary School								
H-W or c-w	63.0%	1.00	25.0%	0.25	1	12.0%	0.1	0.7
h-s or c-c	63.0%	1.00	25.0%	0.25	1	12.0%	0.1	0.7
h-o or c-o	63.0%	1.20	25.0%	0.25	1.2	12.0%	0.1	0.8
Single Family								
H-W or c-w	86.0%	1.00	11.0%	0.25	1	3.0%	0.1	0.9
h-s or c-c	86.0%	1.00	11.0%	0.25	1	3.0%	0.1	0.9
h-o or c-o	86.0%	1.20	11.0%	0.25	1.2	3.0%	0.1	1.1
Supermarket								
H-W or c-w	34.0%	3.00	30.0%	0.25	3.00	36.0%	0.1	1.3
h-s or c-c	34.0%	3.00	30.0%	0.25	3.00	36.0%	0.1	1.3
h-o or c-o	34.0%	2.10	30.0%	0.25	2.10	36.0%	0.1	0.9

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type

Apartments	# trips	trip length	Weekly VMT	Annual VMT
H-W or c-w	3,774	0.9	3,361	
h-s or c-c	1,802	0.9	1,605	
h-o or c-o	3,811	0.9	3,394	
			8,360	434,705.91
City Park	# trips	trip length	Weekly VMT	Annual VMT
H-W or c-w	13	0.7	10	
h-s or c-c	19	0.7	14	
h-o or c-o	7	0.7	6	
			29	1,509.64
Elementary School	# trips	trip length	Weekly VMT	Annual VMT
H-W or c-w	24,594	0.7	17,327	
h-s or c-c	11,351	0.7	7,997	
h-o or c-o	1,892	0.8	1,595	
			26,919	1,399,766.77
Single Family	# trips	trip length	Weekly VMT	Annual VMT
H-W or c-w	26,168	0.9	23,302	
h-s or c-c	12,498	0.9	11,130	
h-o or c-o	26,428	1.1	28,225	
			62,657	3,258,181.22
Supermarket	# trips	trip length	Weekly VMT	Annual VMT
H-W or c-w	46,984	1.3	60,187	
h-s or c-c	538,510	1.3	689,831	
h-o or c-o	137,338	0.9	124,634	
			874,652	45,481,880.28
0				

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT from Each Land Use	972,616.23	
Weeks per Year CalEEMod Uses for Annual VMT	52.00	52.0000 52.14285714
Calculated Annual VMT	50,576,044	50,576,044
		446.83

Construction Emissions

UNMITIGATED

Construction - Summer
lb/day

Phase 2.1

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	12.4475	81.4504	75.6744	0.1892	9.5216	6.0372
2027	12.3707	30.2114	51.0515	0.1122	6.1294	2.4626
Max	12.4475	81.4504	75.6744	0.1892	9.5216	6.0372

Phase 2.2

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2027	12.1265	81.4432	75.5882	0.1891	9.4955	6.0343
2028	12.0572	30.1406	50.5096	0.1112	6.1591	2.4697
2029	11.9913	30.0747	49.965	0.1101	6.1578	2.4685
Max	12.1265	81.4432	75.5882	0.1891	9.4955	6.0343

Phase 2.3

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2029	13.9606	81.4319	75.4537	0.1889	9.5471	6.0396
2030	13.6434	23.4812	54.1315	0.1353	7.1928	2.2371
Max	13.9606	81.4319	75.4537	0.1889	9.5471	6.0396

Phase 2.4

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2030	21.2188	40.8834	63.5648	0.206	11.3953	4.5208
2031	21.106	27.0347	62.8273	0.1755	11.3932	3.3976
2032	21.0052	26.9463	62.1961	0.1739	11.3912	3.3958
Max	21.2188	40.8834	63.5648	0.206	11.3953	4.5208

Construction - Winter
lb/day

Phase 2.1

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	12.3708	81.4534	75.3976	0.1888	9.5216	6.0372
2027	12.3012	30.4061	48.8673	0.1088	6.1295	2.4626
Max	12.3708	81.4534	75.3976	0.1888	9.5216	6.0372

Phase 2.2

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2027	12.0565	81.4459	75.3284	0.1887	9.4955	6.0343
2028	11.9933	30.3322	48.4305	0.1079	6.1592	2.4697
2029	11.9331	30.2635	47.9899	0.1069	6.1579	2.4686
Max	12.0565	81.4459	75.3284	0.1887	9.4955	6.0343

Phase 2.3

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2029	13.881	81.4342	75.2199	0.1885	9.5471	6.0396
2030	13.5706	23.7663	51.6096	0.131	7.1929	2.2372
Max	13.881	81.4342	75.2199	0.1885	9.5471	6.0396

Phase 2.4

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2030	21.11	40.8853	61.742	0.2056	11.3955	4.5208
2031	21.0064	27.5316	58.9901	0.1689	11.3934	3.3978
2032	20.914	27.4401	58.4805	0.1674	11.3914	3.396
Max	21.1100	40.8853	61.742	0.2056	11.3955	4.5208

UNMITIGATED**Maximum**

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	12	81	76	0	10	6
2027	24	112	127	0	16	8
2028	12	30	51	0	6	2
2029	26	112	125	0	16	9
2030	35	65	118	0	19	7
2031	21	28	63	0	11	3
2032	21	27	62	0	11	3
Maximum	35	112	127	0	19	9
SCAQMD Threshold	75	100	550	150	150	55
	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE

MITIGATED**Construction - Summer****lb/day****Phase 2.1**

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	10.3674	9.9128	94.8291	0.1892	6.5592	3.3361
2027	10.2906	8.8538	53.4503	0.1122	5.1512	1.5375
Max	10.3674	9.9128	94.8291	0.1892	6.5592	3.3361

Phase 2.2

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2027	10.0464	9.9056	94.7429	0.1891	6.5332	3.3331
2028	9.9771	8.783	52.9085	0.1112	5.1809	1.5446
2029	9.9112	8.7171	52.3639	0.1101	5.1796	1.5435
Max	10.0464	9.9056	94.7429	0.1891	6.5332	3.3331

Phase 2.3

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2029	11.8805	10.4341	94.6084	0.1889	7.0068	3.3385
2030	11.6864	10.0577	55.9977	0.1353	6.9563	2.0006
Max	11.8805	10.4341	94.6084	0.1889	7.0068	3.3385

Phase 2.4

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2030	19.3865	13.7843	94.5739	0.206	11.1629	3.3504
2031	19.2619	13.7149	65.431	0.1773	11.1588	3.1631
2032	19.1491	13.6112	64.6934	0.1755	11.1567	3.1611
Max	19.3865	13.7843	94.5739	0.206	11.1629	3.3504

Construction - Winter
lb/day

Phase 2.1

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	10.2907	9.9158	94.5523	0.1888	6.5592	3.3361
2027	10.2211	9.0485	51.2662	0.1088	5.1513	1.5376
Max	10.2907	9.9158	94.5523	0.1888	6.5592	3.3361

Phase 2.2

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2027	9.9764	9.9083	94.4831	0.1887	6.5332	3.3331
2028	9.9132	8.9746	50.8294	0.1079	5.181	1.5447
2029	9.853	8.9059	50.3888	0.1069	5.1797	1.5435
Max	9.9764	9.9083	94.4831	0.1887	6.5332	3.3331

Phase 2.3

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2029	11.8009	10.7227	94.3747	0.1885	7.0069	3.3385
2030	11.6137	10.3428	53.4758	0.131	6.9564	2.0007
Max	11.8009	10.7227	94.3747	0.1885	7.0069	3.3385

Phase 2.4

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2030	19.2681	14.2863	94.3468	0.2057	11.1631	3.3504
2031	19.153	14.2157	61.4524	0.1706	11.159	3.1633
2032	19.0495	14.1081	60.8562	0.1689	11.1569	3.1613
Max	19.2681	14.2863	94.3468	0.2057	11.1631	3.3504

MITIGATED

Maximum

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	10	10	95	0	7	3
2027	20	19	148	0	12	5
2028	10	9	53	0	5	2
2029	22	20	147	0	12	5
2030	31	25	151	0	18	5
2031	19	14	65	0	11	3
2032	19	14	65	0	11	3
Maximum	31	25	151	0	18	5
SCAQMD Threshold	75	100	550	150	150	55
	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

Construcion LST

UNMITIGATED

Construction - Summer

lb/day

On-Site

Phase	Year	Activity	NOx	CO	PM10 Total	PM2.5 Total
	2.1	2026 Grading	81.3689	74.1846	9.0042	5.8977
	2.1	2026 B.Construction	22.1674	30.6499	0.9373	0.8841
	2.1	2026 Coating	4.582	7.2365	0.206	0.206
Max	-	-	81.3689	74.1846	9.0042	5.8977
	2.1	2027 B. Constructior	22.1674	30.6499	0.9373	0.8841
	2.1	2027 Paving	17.1633	29.1559	0.8371	0.7701
	2.1	2027 Coating	4.582	7.2365	0.206	0.206
	2.2	2027 Grading	81.3689	74.1846	8.9783	5.8949
	2.2	2027 B. Constructior	22.1674	30.6499	0.9373	0.8841
	2.2	2027 Coating	4.582	7.2365	0.206	0.206
Max	-	-	81.3689	74.1846	8.9783	5.8949
	2.2	2028 B. Constructior	22.1674	30.6499	0.9373	0.8841
	2.2	2028 Coating	4.582	7.2365	0.206	0.206
Max	-	-	22.1674	30.6499	0.9373	0.8841
	2.2	2029 B. Constructior	22.1674	30.6499	0.9373	0.8841
	2.2	2029 Paving	17.1633	29.1559	0.8371	0.7701
	2.2	2029 Coating	4.582	7.2365	0.206	0.206
	2.3	2029 Grading	81.3689	74.1846	9.0301	5.9005
	2.3	2029 B. Constructior	22.1674	30.6499	0.9373	0.8841
	2.3	2029 Coating	4.582	7.2365	0.206	0.206
Max	-	-	81.3689	74.1846	9.0301	5.9005
	2.3	2030 B. Constructior	15.096	31.1282	0.2715	0.2715
	2.3	2030 Paving	14.2404	31.699	0.6613	0.6613
	2.3	2030 Coating	3.4251	7.191	0.0812	0.0812
	2.4	2030 Grading	40.8284	60.7622	7.3494	4.3818
	2.4	2030 B. Constructior	15.096	31.1282	0.2715	0.2715
	2.4	2030 Coating	3.4251	7.191	0.0812	0.0812
Max	-	-	40.8284	60.7622	7.3494	4.3818
	2.4	2031 B. Constructior	15.096	31.1282	0.2715	0.2715
	2.4	2031 Coating	3.4251	7.191	0.0812	0.0812
Max	-	-	15.096	31.1282	0.2715	0.2715
	2.4	2032 B. Constructior	15.096	31.1282	0.2715	0.2715
	2.4	2032 Paving	14.2404	31.699	0.6613	0.6613
	2.4	2032 Coating	3.4251	7.191	0.0812	0.0812
Max	-	-	15.096	31.699	0.6613	0.6613

Summary

	NOx	CO	PM10 Total	PM2.5 Total
2026	81	74	9	6
2027	81	74	9	6
2028	22	31	1	1
2029	81	74	9	6
2030	41	61	7	4
2031	15	31	0	0
2032	15	32	1	1
SCAQMD LST				
Threshold	270	101.1	12.8	8
	FALSE	FALSE	FALSE	FALSE

MITIGATED
 Construction - Summer
 lb/day

On-Site

Phase	Year	Activity	NOx	CO	PM10 Total	PM2.5 Total
	2.1	2026 Grading	9.8313	93.3393	6.0418	3.1965
	2.1	2026 B.Construction	4.8768	32.9557	0.1493	0.1493
	2.1	2026 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	9.8313	93.3393	6.0418	3.1965
	2.1	2027 B. Constructior	4.8768	32.9557	0.1493	0.1493
	2.1	2027 Paving	2.4307	34.5913	0.0748	0.0748
	2.1	2027 Coating	0.5151	7.3297	0.0159	0.0159
	2.2	2027 Grading	9.8313	93.3393	6.0159	3.1937
	2.2	2027 B. Constructior	4.8768	32.9557	0.1493	0.1493
	2.2	2027 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	9.8313	93.3393	6.0159	3.1937
	2.2	2028 B. Constructior	4.8768	32.9557	0.1493	0.1493
	2.2	2028 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	4.8768	32.9557	0.1493	0.1493
	2.2	2029 B. Constructior	4.8768	32.9557	0.1493	0.1493
	2.2	2029 Paving	2.4307	34.5913	0.0748	0.0748
	2.2	2029 Coating	0.5151	7.3297	0.0159	0.0159
	2.3	2029 Grading	9.8313	93.3393	6.0677	3.1993
	2.3	2029 B. Constructior	4.8768	32.9557	0.1493	0.1493
	2.3	2029 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	9.8313	93.3393	6.0677	3.1993
	2.3	2030 B. Constructior	4.5825	32.8557	0.1003	0.1003
	2.3	2030 Paving	2.4307	34.5913	0.0748	0.0748
	2.3	2030 Coating	0.5151	7.3297	0.0159	0.0159
	2.4	2030 Grading	9.8313	93.3393	6.1789	3.2113
	2.4	2030 B. Constructior	4.5825	32.8557	0.1003	0.1003
	2.4	2030 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	9.8313	93.3393	6.1789	3.2113
	2.4	2031 B. Constructior	4.5825	32.8557	0.1003	0.1003
	2.4	2031 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	4.5825	32.8557	0.1003	0.1003
	2.4	2032 B. Constructior	4.5825	32.8557	0.1003	0.1003
	2.4	2032 Paving	14.2404	31.699	0.6613	0.6613
	2.4	2032 Coating	0.5151	7.3297	0.0159	0.0159
Max	-	-	14.2404	32.8557	0.6613	0.6613

Summary

	NOx	CO	PM10 Total	PM2.5 Total
2026	10	93	6	3
2027	10	93	6	3
2028	5	33	0	0
2029	10	93	6	3
2030	10	93	6	3
2031	5	33	0	0
2032	14	33	1	1
SCAQMD LST Threshold	270	101.1	12.8	8
	FALSE	FALSE	FALSE	FALSE

Operations

Adopted GVSP (lb/day)

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	105.5201	2.54E+01	395.10	1.07	4.93E+01	4.93E+01
Energy Use	1.48E+00	12.9585	7.64	0.08	1.02E+00	1.02E+00
Mobile Sources	229.398	148.7341	1023.46	1.35	149.1997	4.05E+01
Total	336.40	187.13	1426.21	2.51	199.57	90.88

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	105.5201	2.54E+01	395.10	1.07	4.93E+01	4.93E+01
Energy Use	1.48E+00	12.9585	7.64	0.08	1.02E+00	1.02E+00
Mobile Sources	172.6505	158.351	1041.19	1.27	149.2041	4.05E+01
Total	279.65	196.74	1443.93	2.43	199.57	90.88

Maximum

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	106	25	395	1	49	49
Energy Use	1	13	8	0	1	1
Mobile Sources	229	158	1041	1	149	41
Total	336	197	1444	3	200	91

Proposed Phase 2 (lb/day)

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	70.5703	2.84E+01	144.92	0.18	2.92E+00	2.92E+00
Energy Use	1.24E+00	10.7954	5.87	0.07	8.58E-01	8.58E-01
Mobile Sources	54.9884	64.8858	588.46	1.45	187.4328	5.06E+01
Total	126.80	104.11	739.25	1.70	191.21	54.35

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	70.5703	2.84E+01	144.92	0.18	2.92E+00	2.92E+00
Energy Use	1.24E+00	10.7954	5.87	0.07	8.58E-01	8.58E-01
Mobile Sources	47.2549	69.2733	519.61	1.34	187.4334	5.06E+01
Total	119.07	108.50	670.40	1.59	191.21	54.35

Maximum

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	71	28	145	0	3	3
Energy Use	1	11	6	0	1	1
Mobile Sources	55	69	588	1	187	51
Total	127	108	739	2	191	54

Net Annual Emissions (lb/day)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area Sources	-35	3	-250	-1	-46	-46
Energy Use	0	-2	-2	0	0	0
Mobile Sources	-174	-89	-453	0	38	10
Total	-210	-88	-705	-1	-8	-37

SCAQMD thresholds	55.00	55.00	550.00	250.00	150.00	55.00
	TRUE	TRUE	TRUE	FALSE	TRUE	FALSE

Greenhouse Gas Emissions

Construction

	MT/year
Phase 2.1	
2026	1,445.83
2027	1,056.45
Phase 2.2	
2027	905.2877
2028	1,271.39
2029	296.6096
Phase 2.3	
2029	1,608.75
2030	1,269.38
Phase 2.4	
2030	1,315.44
2031	2,102.17
2032	452.8826
	2026 1,445.83
	2027 1,961.74
	2028 1,271.39
	2029 1,905.36
	2030 2,584.82
	2031 2,102.17
	2032 452.88
Total	11,724.19
30-year Amortized	390.8062

Operations

Adopted GVSP (MT/year)

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	Percent of Total
Area Sources	79.0366	3.04E+02	3.83E+02	3.94E-01	5.20E-03	394	1%
Energy Use	0	6,018.15	6,018.15	3.32E-01	8.64E-02	6,052	22%
Mobile Sources	0	16,683.17	16,683.17	1.84E+00	1.4474	17,160	63%
Waste Generation	1,299.40	0	1,299.40	76.7921	0	3,219	12%
Water/Wastewater	60.1744	2.78E+02	338.6465	6.20E+00	1.49E-01	538	2%
Total	1,438.61	23,283.32	24,721.93	85.56	1.69	27,363.87	100%
+ construction						27,754.68	

Proposed Phase 2 (MT/year)

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	Percent of Total
Area Sources	0	4.17E+02	4.17E+02	3.35E-02	7.14E-03	420	1%
Energy Use	0	4,177.88	4,177.88	2.05E-01	6.27E-02	4,202	13%
Mobile Sources	0	23,871.81	23,871.81	1.05E+00	1.0319	24,206	78%
Waste Generation	734.81	0	734.81	43.426	0	1,820	6%
Water/Wastewater	51.2716	2.83E+02	334.4996	5.29E+00	1.28E-01	505	2%
Total	786.08	28,749.51	29,535.59	50.00	1.23	31,152.01	100%
+ construction						31,542.82	

Net Annual Emissions (MT/year)

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	Percent of Total
Area Sources	-79.0366	1.13E+02	3.40E+01	-3.61E-01	1.94E-03	26	1%
Energy Use	0	-1,840.28	-1,840.28	-1.26E-01	-2.37E-02	-1,850	-49%
Mobile Sources	0	7,188.64	7,188.64	-7.85E-01	-0.4155	7,045	186%
Waste Generation	-564.59	0	-564.59	-33.3661	0	-1,399	-37%
Water/Wastewater	-8.9028	4.76E+00	-4.1469	-9.14E-01	-2.16E-02	-33	-1%
Total	-652.53	5,466.18	4,813.66	-35.55	-0.46	3,788.14	100%
+ construction						3,788	

GHG Efficiency Metric

Sector	MMCO2e		Omitted from Inventory		
	1990 Statewide	Adjusted 1990	Emissions	Percent	Notes
	Inventory	Inventory			
Ag/Forestry	19	0	19	100	Excluded
Commercial	14	14	0	0	Excluded
Electricity Generation (imports)	62	62	0	0	Included
Electricity Generation (in state)	49	49	0	0	Included
Industrial	94	0	94	100	Excluded
Not Specified	1	1	0	0	Included
Residential	30	30	0	0	Included
Transportation	151	151	0	0	Included
Wastewater	4	4	0	0	Included
Landfills	7	7	0	0	Included
Total	431	318	113	26%	

Efficiency Metric

Efficiency Metric	Notes
2033 Statewide Goal	171.72 MMTCO2e
2033 Statewide Population	42,403,084 residents http://www.dof.ca.gov/Forecasting/Demographic-projections/
2033 Statewide Employment	20,462,827 employees https://www.labormarketinfo.edd.ca.gov/data/employment-projections.html
2034 Efficiency Metric	2.731528075 MTCO2e/SP

1990 GVSP Land Use Emissions (2033)	27,754.68 MTCO2e	Scaled from Phase 2 VMT analysis
1990 GVSP Land Uses Population	5,066.50 residents	
1990 GVSP Land Uses Employment	113.33 employees	
1990 GVSP Land Use Efficiency	5.358224818 MTCO2e/SP	

2020 GVSP Land Use Emissions (2033)	31,542.82 MTCO2e	Phase 2 VMT analysis
2020 GVSP Land Use Population	6,954.10 residents	
2020 GVSP Land Uses Employment	191 employees	
2020 GVSP Land Use Efficiency	4.414608557 MTCO2e/SP	

Emissions	1990	2030	2033	2034	2050
	318	190.8	171.72	165.36	63.6
Employment	2018	2028	2033	2034	
	18,825,900.00	20,412,500.00	20,462,826.68	21,407,512.80	

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Green Vally SP Phase 2 - 2.1 Construction

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	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	260.00	Dwelling Unit	18.24	260,000.00	744
Single Family Housing	145.00	Dwelling Unit	30.04	261,000.00	415

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Grading - Project specific grading

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

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Area Coating -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	54.70
tblLandUse	LotAcreage	16.25	18.24
tblLandUse	LotAcreage	47.08	30.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	1.5286	5.0489	7.0597	0.0161	0.8702	0.1987	1.0688	0.2998	0.1871	0.4868	0.0000	1,430.6914	1,430.6914	0.2293	0.0316	1,445.8298
2027	1.2712	3.3104	5.4041	0.0117	0.5365	0.1316	0.6681	0.1438	0.1250	0.2688	0.0000	1,044.8827	1,044.8827	0.1273	0.0282	1,056.4543
Maximum	1.5286	5.0489	7.0597	0.0161	0.8702	0.1987	1.0688	0.2998	0.1871	0.4868	0.0000	1,430.6914	1,430.6914	0.2293	0.0316	1,445.8298

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					
2026	1.5286	5.0489	7.0597	0.0161	0.6637	0.1987	0.8624	0.2073	0.1871	0.3944	0.0000	1,430.6903	1,430.6903	0.2293	0.0316	1,445.8287
2027	1.2712	3.3104	5.4041	0.0117	0.4955	0.1316	0.6270	0.1337	0.1250	0.2587	0.0000	1,044.8820	1,044.8820	0.1273	0.0282	1,056.4536

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Maximum	1.5286	5.0489	7.0597	0.0161	0.6637	0.1987	0.8624	0.2073	0.1871	0.3944	0.0000	1,430.6903	1,430.6903	0.2293	0.0316	1,445.8287
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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	17.59	0.00	14.25	23.11	0.00	13.57	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	1-1-2026	3-31-2026	2.3254	2.3254
2	4-1-2026	6-30-2026	1.3894	1.3894
3	7-1-2026	9-30-2026	1.4046	1.4046
4	10-1-2026	12-31-2026	1.4086	1.4086
5	1-1-2027	3-31-2027	1.3727	1.3727
6	4-1-2027	6-30-2027	1.3839	1.3839
7	7-1-2027	9-30-2027	1.3991	1.3991
		Highest	2.3254	2.3254

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	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484
Energy	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	825.8309	825.8309	0.0417	0.0119	830.4272

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2026	2/27/2026	5	42	
2	Building Construction	Building Construction	3/2/2026	10/11/2027	5	421	
3	Paving	Paving	10/12/2027	11/18/2027	5	28	
4	Architectural Coating	Architectural Coating	3/2/2026	10/11/2027	5	421	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 54.7

Acres of Paving: 6.45

Residential Indoor: 1,055,025; Residential Outdoor: 351,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596
Total	0.1783	1.7088	1.5579	3.8800e-003	0.2819	0.0686	0.3505	0.1422	0.0631	0.2052	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0115	5.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155
Total	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0115	5.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155

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					

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

Fugitive Dust					0.1205	0.0000	0.1205	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592	
Total	0.1783	1.7088	1.5579	3.8800e-003		0.1205	0.0686	0.1891	0.0608	0.0631	0.1239	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0106	5.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8900e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155
Total	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0106	5.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8900e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155

3.3 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
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Green Vally SP Phase 2 - 2.1 Construction - 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	tons/yr										MT/yr					
	Off-Road	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000
Total	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0101	0.3281	0.1289	1.6200e-003	0.0616	2.7500e-003	0.0643	0.0178	2.6300e-003	0.0204	0.0000	155.7130	155.7130	1.8400e-003	0.0229	162.5825
Worker	0.1041	0.0678	0.9989	3.2300e-003	0.4297	1.7500e-003	0.4314	0.1141	1.6100e-003	0.1157	0.0000	296.1569	296.1569	6.0700e-003	7.0700e-003	298.4156
Total	0.1142	0.3958	1.1278	4.8500e-003	0.4912	4.5000e-003	0.4957	0.1319	4.2400e-003	0.1361	0.0000	451.8699	451.8699	7.9100e-003	0.0300	460.9982

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.1 Construction - 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	tons/yr										MT/yr					
	Off-Road	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3301	459.3301	0.1037	0.0000
Total	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222

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	0.0101	0.3281	0.1289	1.6200e-003	0.0576	2.7500e-003	0.0604	0.0168	2.6300e-003	0.0194	0.0000	155.7130	155.7130	1.8400e-003	0.0229	162.5825
Worker	0.1041	0.0678	0.9989	3.2300e-003	0.3961	1.7500e-003	0.3979	0.1059	1.6100e-003	0.1075	0.0000	296.1569	296.1569	6.0700e-003	7.0700e-003	298.4156
Total	0.1142	0.3958	1.1278	4.8500e-003	0.4538	4.5000e-003	0.4583	0.1227	4.2400e-003	0.1269	0.0000	451.8699	451.8699	7.9100e-003	0.0300	460.9982

3.3 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
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Green Vally SP Phase 2 - 2.1 Construction - 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	tons/yr										MT/yr					
Off-Road	0.2486	2.2389	3.0956	4.9400e-003		0.0947	0.0947		0.0893	0.0893	0.0000	423.6748	423.6748	0.0956	0.0000	426.0657
Total	0.2486	2.2389	3.0956	4.9400e-003		0.0947	0.0947		0.0893	0.0893	0.0000	423.6748	423.6748	0.0956	0.0000	426.0657

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.2995	0.1180	1.4600e-003	0.0568	2.5200e-003	0.0593	0.0164	2.4100e-003	0.0188	0.0000	140.8266	140.8266	1.7500e-003	0.0207	147.0311
Worker	0.0904	0.0569	0.8686	2.8900e-003	0.3963	1.5200e-003	0.3978	0.1052	1.3900e-003	0.1066	0.0000	265.3189	265.3189	5.1100e-003	6.1800e-003	267.2870
Total	0.0997	0.3564	0.9865	4.3500e-003	0.4531	4.0400e-003	0.4571	0.1216	3.8000e-003	0.1254	0.0000	406.1455	406.1455	6.8600e-003	0.0269	414.3181

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
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Green Vally SP Phase 2 - 2.1 Construction - 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	tons/yr										MT/yr					
	Off-Road	0.2486	2.2389	3.0956	4.9400e-003		0.0947	0.0947		0.0893	0.0893	0.0000	423.6743	423.6743	0.0956	0.0000
Total	0.2486	2.2389	3.0956	4.9400e-003		0.0947	0.0947		0.0893	0.0893	0.0000	423.6743	423.6743	0.0956	0.0000	426.0652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.2995	0.1180	1.4600e-003	0.0532	2.5200e-003	0.0557	0.0155	2.4100e-003	0.0179	0.0000	140.8266	140.8266	1.7500e-003	0.0207	147.0311
Worker	0.0904	0.0569	0.8686	2.8900e-003	0.3654	1.5200e-003	0.3669	0.0976	1.3900e-003	0.0990	0.0000	265.3189	265.3189	5.1100e-003	6.1800e-003	267.2870
Total	0.0997	0.3564	0.9865	4.3500e-003	0.4185	4.0400e-003	0.4226	0.1131	3.8000e-003	0.1170	0.0000	406.1455	406.1455	6.8600e-003	0.0269	414.3181

3.4 Paving - 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
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Green Vally SP Phase 2 - 2.1 Construction - 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	tons/yr										MT/yr					
Off-Road	0.0256	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0341	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	2.0000e-005	1.2400e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134
Total	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	2.0000e-005	1.2400e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134

Mitigated Construction On-Site

Green Vally SP Phase 2 - 2.1 Construction - 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					
Off-Road	0.0256	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0341	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	2.0000e-005	1.1500e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134
Total	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	2.0000e-005	1.1500e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

Green Vally SP Phase 2 - 2.1 Construction - 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					
Archit. Coating	0.8682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0748	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850
Total	0.9431	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850

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	0.0207	0.0135	0.1987	6.4000e-004	0.0855	3.5000e-004	0.0858	0.0227	3.2000e-004	0.0230	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488
Total	0.0207	0.0135	0.1987	6.4000e-004	0.0855	3.5000e-004	0.0858	0.0227	3.2000e-004	0.0230	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488

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

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	0.8682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0748	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849
Total	0.9431	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849

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	0.0207	0.0135	0.1987	6.4000e-004	0.0788	3.5000e-004	0.0791	0.0211	3.2000e-004	0.0214	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488
Total	0.0207	0.0135	0.1987	6.4000e-004	0.0788	3.5000e-004	0.0791	0.0211	3.2000e-004	0.0214	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488

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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 - 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					
Archit. Coating	0.8008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.4628	0.7309	1.2000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	103.1515	103.1515	5.6300e-003	0.0000	103.2921
Total	0.8699	0.4628	0.7309	1.2000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	103.1515	103.1515	5.6300e-003	0.0000	103.2921

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	0.0180	0.0113	0.1727	5.8000e-004	0.0788	3.0000e-004	0.0791	0.0209	2.8000e-004	0.0212	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579
Total	0.0180	0.0113	0.1727	5.8000e-004	0.0788	3.0000e-004	0.0791	0.0209	2.8000e-004	0.0212	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579

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

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	0.8008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.4628	0.7309	1.2000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	103.1513	103.1513	5.6300e-003	0.0000	103.2920
Total	0.8699	0.4628	0.7309	1.2000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	103.1513	103.1513	5.6300e-003	0.0000	103.2920

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	0.0180	0.0113	0.1727	5.8000e-004	0.0727	3.0000e-004	0.0730	0.0194	2.8000e-004	0.0197	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579
Total	0.0180	0.0113	0.1727	5.8000e-004	0.0727	3.0000e-004	0.0730	0.0194	2.8000e-004	0.0197	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579

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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	tons/yr										MT/yr					
Mitigated	1.1788	1.6479	12.5128	0.0313	4.1914	0.0207	4.2121	1.1189	0.0194	1.1384	0.0000	2,897.6014	2,897.6014	0.1417	0.1375	2,942.1041
Unmitigated	1.1788	1.6479	12.5128	0.0313	4.1914	0.0207	4.2121	1.1189	0.0194	1.1384	0.0000	2,897.6014	2,897.6014	0.1417	0.1375	2,942.1041

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,903.20	2,116.40	1632.80	6,475,601	6,475,601
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,368.80	1,383.30	1239.75	4,621,478	4,621,478
Total	3,272.00	3,499.70	2,872.55	11,097,079	11,097,079

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Land Use	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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.0034
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.0034
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.0034

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	397.0878	397.0878	0.0335	4.0600e-003	399.1363
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	397.0878	397.0878	0.0335	4.0600e-003	399.1363
NaturalGas Mitigated	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909
NaturalGas Unmitigated	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909

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

Single Family Housing	4.10161e+06	0.0221	0.1890	0.0804	1.2100e-003		0.0153	0.0153		0.0153	0.0153	0.0000	218.8773	218.8773	4.2000e-003	4.0100e-003	220.1780
Total		0.0433	0.3702	0.1575	2.3700e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.08419e+06	192.2757	0.0162	1.9700e-003	193.2677
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.15488e+06	204.8121	0.0173	2.1000e-003	205.8687
Total		397.0878	0.0335	4.0700e-003	399.1363

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Apartments Low Rise	1.08419e+006	192.2757	0.0162	1.9700e-003	193.2677
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.15488e+006	204.8121	0.0173	2.1000e-003	205.8687
Total		397.0878	0.0335	4.0700e-003	399.1363

6.0 Area Detail

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	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484
Unmitigated	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484

6.2 Area by SubCategory

Unmitigated

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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
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3266	0.1050	2.5745	6.5700e-003		0.3867	0.3867		0.3867	0.3867	43.0187	82.6672	125.6859	0.1283	2.9200e-003	129.7633
Landscaping	0.1246	0.0480	4.1657	2.2000e-004		0.0232	0.0232		0.0232	0.0232	0.0000	6.8226	6.8226	6.5000e-003	0.0000	6.9851
Total	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484

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	0.1669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3266	0.1050	2.5745	6.5700e-003		0.3867	0.3867		0.3867	0.3867	43.0187	82.6672	125.6859	0.1283	2.9200e-003	129.7633
Landscaping	0.1246	0.0480	4.1657	2.2000e-004		0.0232	0.0232		0.0232	0.0232	0.0000	6.8226	6.8226	6.5000e-003	0.0000	6.9851
Total	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	102.0828	0.8677	0.0213	130.1122
Unmitigated	102.0828	0.8677	0.0213	130.1122

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.94 / 10.6796	65.5346	0.5571	0.0137	83.5288
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	9.44733 / 5.95593	36.5482	0.3107	7.6100e-003	46.5834

Green Vally SP Phase 2 - 2.1 Construction - 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		102.0828	0.8677	0.0213	130.1122
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Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.94 / 10.6796	65.5346	0.5571	0.0137	83.5288
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	9.44733 / 5.95593	36.5482	0.3107	7.6100e-003	46.5834
Total		102.0828	0.8677	0.0213	130.1122

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

	MT/yr			
Mitigated	58.8166	3.4760	0.0000	145.7157
Unmitigated	58.8166	3.4760	0.0000	145.7157

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	119.6	24.2777	1.4348	0.0000	60.1470
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	170.15	34.5389	2.0412	0.0000	85.5687
Total		58.8166	3.4760	0.0000	145.7157

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Land Use	tons	MT/yr			
Apartments Low Rise	119.6	24.2777	1.4348	0.0000	60.1470
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	170.15	34.5389	2.0412	0.0000	85.5687
Total		58.8166	3.4760	0.0000	145.7157

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

187

187

187

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - 2.1 Construction

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	260.00	Dwelling Unit	18.24	260,000.00	744
Single Family Housing	145.00	Dwelling Unit	30.04	261,000.00	415

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Grading - Project specific grading
- Architectural Coating - Rule 113
- Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Area Coating -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	54.70
tblLandUse	LotAcreage	16.25	18.24
tblLandUse	LotAcreage	47.08	30.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.1 Construction - 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					
2026	12.4475	81.4504	75.6744	0.1892	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765
2027	12.3707	30.2114	51.0515	0.1122	5.3540	1.1862	6.5403	1.4329	1.1305	2.5634	0.0000	11,026.9913	11,026.9913	1.4321	0.3029	11,147.0049
Maximum	12.4475	81.4504	75.6744	0.1892	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	12.4475	81.4504	75.6744	0.1892	6.2545	3.2671	9.5216	3.0315	3.0057	6.0372	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765
2027	12.3707	30.2114	51.0515	0.1122	4.9432	1.1862	6.1294	1.3320	1.1305	2.4626	0.0000	11,026.9913	11,026.9913	1.4321	0.3029	11,147.0049
Maximum	12.4475	81.4504	75.6744	0.1892	6.2545	3.2671	9.5216	3.0315	3.0057	6.0372	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765

Green Vally SP Phase 2 - 2.1 Construction - 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	42.10	0.00	34.22	47.75	0.00	31.93	0.00	0.00	0.00	0.00	0.00	0.00

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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850
Total	126.8050	19.9449	320.8894	0.7369	25.2347	31.4094	56.6441	6.7277	31.4018	38.1295	3,793.6020	29,991.0754	33,784.6774	12.3299	1.1794	34,444.3704

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850
Total	126.8050	19.9449	320.8894	0.7369	25.2347	31.4094	56.6441	6.7277	31.4018	38.1295	3,793.6020	29,991.0754	33,784.6774	12.3299	1.1794	34,444.3704

	ROG	NOx	CO	SO2	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	1/1/2026	2/27/2026	5	42	
2	Building Construction	Building Construction	3/2/2026	10/11/2027	5	421	
3	Paving	Paving	10/12/2027	11/18/2027	5	28	
4	Architectural Coating	Architectural Coating	3/2/2026	10/11/2027	5	421	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 54.7****Acres of Paving: 6.45****Residential Indoor: 1,055,025; Residential Outdoor: 351,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	357.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Architectural Coating	4	71.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					13.4254	0.0000	13.4254	6.7696	0.0000	6.7696			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4254	3.2648	16.6902	6.7696	3.0037	9.7732		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1493	0.0815	1.4898	4.4500e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823
Total	0.1493	0.0815	1.4898	4.4500e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7393	0.0000	5.7393	2.8940	0.0000	2.8940			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	5.7393	3.2648	9.0042	2.8940	3.0037	5.8977	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1493	0.0815	1.4898	4.4500e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823
Total	0.1493	0.0815	1.4898	4.4500e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823

3.3 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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0963	2.8551	1.1590	0.0148	0.5700	0.0251	0.5951	0.1641	0.0240	0.1881		1,565.8636	1,565.8636	0.0187	0.2301	1,634.9098
Worker	1.0657	0.5820	10.6372	0.0318	3.9904	0.0160	4.0064	1.0583	0.0147	1.0730		3,213.8465	3,213.8465	0.0607	0.0683	3,235.7217
Total	1.1619	3.4371	11.7961	0.0466	4.5604	0.0411	4.6015	1.2224	0.0387	1.2611		4,779.7101	4,779.7101	0.0794	0.2985	4,870.6314

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0963	2.8551	1.1590	0.0148	0.5335	0.0251	0.5585	0.1552	0.0240	0.1791		1,565.8636	1,565.8636	0.0187	0.2301	1,634.9098
Worker	1.0657	0.5820	10.6372	0.0318	3.6782	0.0160	3.6942	0.9816	0.0147	0.9964		3,213.8465	3,213.8465	0.0607	0.0683	3,235.7217
Total	1.1619	3.4371	11.7961	0.0466	4.2117	0.0411	4.2527	1.1368	0.0387	1.1755		4,779.7101	4,779.7101	0.0794	0.2985	4,870.6314

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5700	0.0249	0.5949	0.1641	0.0239	0.1880		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0024	0.5304	10.0220	0.0309	3.9904	0.0150	4.0054	1.0583	0.0138	1.0721		3,121.1517	3,121.1517	0.0553	0.0647	3,141.8160
Total	1.0977	3.3565	11.1718	0.0453	4.5604	0.0399	4.6004	1.2224	0.0377	1.2601		4,656.4902	4,656.4902	0.0745	0.2900	4,744.7649

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5335	0.0249	0.5584	0.1552	0.0239	0.1790		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0024	0.5304	10.0220	0.0309	3.6782	0.0150	3.6932	0.9816	0.0138	0.9955		3,121.1517	3,121.1517	0.0553	0.0647	3,141.8160
Total	1.0977	3.3565	11.1718	0.0453	4.2117	0.0399	4.2516	1.1368	0.0377	1.1745		4,656.4902	4,656.4902	0.0745	0.2900	4,744.7649

3.4 Paving - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0842	0.0446	0.8422	2.5900e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182
Total	0.0842	0.0446	0.8422	2.5900e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182

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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0842	0.0446	0.8422	2.5900e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182
Total	0.0842	0.0446	0.8422	2.5900e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2119	0.1157	2.1155	6.3200e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		639.1684	639.1684	0.0121	0.0136	643.5189
Total	0.2119	0.1157	2.1155	6.3200e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		639.1684	639.1684	0.0121	0.0136	643.5189

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2119	0.1157	2.1155	6.3200e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		639.1684	639.1684	0.0121	0.0136	643.5189
Total	0.2119	0.1157	2.1155	6.3200e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		639.1684	639.1684	0.0121	0.0136	643.5189

3.5 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1994	0.1055	1.9932	6.1400e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		620.7332	620.7332	0.0110	0.0129	624.8430
Total	0.1994	0.1055	1.9932	6.1400e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		620.7332	620.7332	0.0110	0.0129	624.8430

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1994	0.1055	1.9932	6.1400e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		620.7332	620.7332	0.0110	0.0129	624.8430
Total	0.1994	0.1055	1.9932	6.1400e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		620.7332	620.7332	0.0110	0.0129	624.8430

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	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850
Unmitigated	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,903.20	2,116.40	1632.80	6,475,601	6,475,601
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,368.80	1,383.30	1239.75	4,621,478	4,621,478
Total	3,272.00	3,499.70	2,872.55	11,097,079	11,097,079

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
NaturalGas Unmitigated	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - 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					
Apartments Low Rise	10774.6	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11237.3	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10.7746	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.2373	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

6.0 Area Detail

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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Unmitigated	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - 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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.1 Construction****Riverside-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	260.00	Dwelling Unit	18.24	260,000.00	744
Single Family Housing	145.00	Dwelling Unit	30.04	261,000.00	415

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Area Coating -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	54.70
tblLandUse	LotAcreage	16.25	18.24
tblLandUse	LotAcreage	47.08	30.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.1 Construction - 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					
2026	12.3708	81.4534	75.3976	0.1888	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452
2027	12.3012	30.4061	48.8673	0.1088	5.3540	1.1863	6.5403	1.4329	1.1306	2.5635	0.0000	10,682.2939	10,682.2939	1.4321	0.3053	10,803.0525
Maximum	12.3708	81.4534	75.3976	0.1888	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	12.3708	81.4534	75.3976	0.1888	6.2545	3.2671	9.5216	3.0315	3.0057	6.0372	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452
2027	12.3012	30.4061	48.8673	0.1088	4.9432	1.1863	6.1295	1.3320	1.1306	2.4626	0.0000	10,682.2939	10,682.2939	1.4321	0.3053	10,803.0525
Maximum	12.3708	81.4534	75.3976	0.1888	6.2545	3.2671	9.5216	3.0315	3.0057	6.0372	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452

Green Vally SP Phase 2 - 2.1 Construction - 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	42.10	0.00	34.22	47.75	0.00	31.93	0.00	0.00	0.00	0.00	0.00	0.00

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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507
Total	125.5740	20.5610	311.9987	0.7227	25.2347	31.4095	56.6442	6.7277	31.4019	38.1296	3,793.6020	28,556.6173	32,350.2193	12.3469	1.1981	33,015.9361

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507
Total	125.5740	20.5610	311.9987	0.7227	25.2347	31.4095	56.6442	6.7277	31.4019	38.1296	3,793.6020	28,556.6173	32,350.2193	12.3469	1.1981	33,015.9361

	ROG	NOx	CO	SO2	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	1/1/2026	2/27/2026	5	42	
2	Building Construction	Building Construction	3/2/2026	10/11/2027	5	421	
3	Paving	Paving	10/12/2027	11/18/2027	5	28	
4	Architectural Coating	Architectural Coating	3/2/2026	10/11/2027	5	421	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 54.7****Acres of Paving: 6.45****Residential Indoor: 1,055,025; Residential Outdoor: 351,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	357.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Architectural Coating	4	71.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					13.4254	0.0000	13.4254	6.7696	0.0000	6.7696			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4254	3.2648	16.6902	6.7696	3.0037	9.7732		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1411	0.0845	1.2130	4.0400e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510
Total	0.1411	0.0845	1.2130	4.0400e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7393	0.0000	5.7393	2.8940	0.0000	2.8940			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	5.7393	3.2648	9.0042	2.8940	3.0037	5.8977	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1411	0.0845	1.2130	4.0400e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510
Total	0.1411	0.0845	1.2130	4.0400e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510

3.3 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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0889	3.0284	1.1991	0.0148	0.5700	0.0252	0.5952	0.1641	0.0241	0.1882		1,569.8165	1,569.8165	0.0184	0.2309	1,639.0799
Worker	1.0078	0.6032	8.6610	0.0288	3.9904	0.0160	4.0064	1.0583	0.0147	1.0730		2,913.9872	2,913.9872	0.0609	0.0699	2,936.3319
Total	1.0967	3.6316	9.8601	0.0436	4.5604	0.0411	4.6016	1.2224	0.0388	1.2612		4,483.8037	4,483.8037	0.0793	0.3008	4,575.4118

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0889	3.0284	1.1991	0.0148	0.5335	0.0252	0.5586	0.1552	0.0241	0.1792		1,569.8165	1,569.8165	0.0184	0.2309	1,639.0799
Worker	1.0078	0.6032	8.6610	0.0288	3.6782	0.0160	3.6942	0.9816	0.0147	0.9964		2,913.9872	2,913.9872	0.0609	0.0699	2,936.3319
Total	1.0967	3.6316	9.8601	0.0436	4.2117	0.0411	4.2528	1.1368	0.0388	1.1756		4,483.8037	4,483.8037	0.0793	0.3008	4,575.4118

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5700	0.0250	0.5950	0.1641	0.0239	0.1880		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9505	0.5496	8.1667	0.0280	3.9904	0.0150	4.0054	1.0583	0.0138	1.0721		2,830.3853	2,830.3853	0.0556	0.0662	2,851.4940
Total	1.0385	3.5474	9.3566	0.0425	4.5604	0.0400	4.6004	1.2224	0.0377	1.2601		4,369.6202	4,369.6202	0.0745	0.2922	4,458.5516

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5335	0.0250	0.5585	0.1552	0.0239	0.1791		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9505	0.5496	8.1667	0.0280	3.6782	0.0150	3.6932	0.9816	0.0138	0.9955		2,830.3853	2,830.3853	0.0556	0.0662	2,851.4940
Total	1.0385	3.5474	9.3566	0.0425	4.2117	0.0400	4.2517	1.1368	0.0377	1.1745		4,369.6202	4,369.6202	0.0745	0.2922	4,458.5516

3.4 Paving - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0799	0.0462	0.6863	2.3500e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213
Total	0.0799	0.0462	0.6863	2.3500e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213

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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0799	0.0462	0.6863	2.3500e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213
Total	0.0799	0.0462	0.6863	2.3500e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2004	0.1200	1.7225	5.7300e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		579.5325	579.5325	0.0121	0.0139	583.9764
Total	0.2004	0.1200	1.7225	5.7300e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		579.5325	579.5325	0.0121	0.0139	583.9764

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2004	0.1200	1.7225	5.7300e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		579.5325	579.5325	0.0121	0.0139	583.9764
Total	0.2004	0.1200	1.7225	5.7300e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		579.5325	579.5325	0.0121	0.0139	583.9764

3.5 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1890	0.1093	1.6242	5.5700e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		562.9058	562.9058	0.0111	0.0132	567.1038
Total	0.1890	0.1093	1.6242	5.5700e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		562.9058	562.9058	0.0111	0.0132	567.1038

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1890	0.1093	1.6242	5.5700e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		562.9058	562.9058	0.0111	0.0132	567.1038
Total	0.1890	0.1093	1.6242	5.5700e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		562.9058	562.9058	0.0111	0.0132	567.1038

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	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507
Unmitigated	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,903.20	2,116.40	1632.80	6,475,601	6,475,601
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,368.80	1,383.30	1239.75	4,621,478	4,621,478
Total	3,272.00	3,499.70	2,872.55	11,097,079	11,097,079

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
NaturalGas Unmitigated	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - 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					
Apartments Low Rise	10774.6	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11237.3	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10.7746	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.2373	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

6.0 Area Detail

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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Unmitigated	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - 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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.2 Construction****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	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	270.00	Dwelling Unit	18.94	270,000.00	772
Single Family Housing	130.00	Dwelling Unit	26.93	234,000.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	52.30
tblLandUse	LotAcreage	16.88	18.94
tblLandUse	LotAcreage	42.21	26.93
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.8526	3.4125	4.3516	0.0101	0.5890	0.1350	0.7240	0.2246	0.1264	0.3511	0.0000	896.3144	896.3144	0.1709	0.0158	905.2885
2028	1.5512	3.9410	6.3574	0.0141	0.6889	0.1541	0.8430	0.1846	0.1468	0.3314	0.0000	1,257.4021	1,257.4021	0.1400	0.0352	1,271.3911
2029	0.3259	0.9819	1.6041	3.3100e-003	0.1345	0.0407	0.1752	0.0360	0.0384	0.0745	0.0000	293.5524	293.5524	0.0445	6.5300e-003	296.6098
Maximum	1.5512	3.9410	6.3574	0.0141	0.6889	0.1541	0.8430	0.2246	0.1468	0.3511	0.0000	1,257.4021	1,257.4021	0.1709	0.0352	1,271.3911

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					
2027	0.8526	3.4125	4.3516	0.0101	0.4047	0.1350	0.5397	0.1375	0.1264	0.2640	0.0000	896.3137	896.3137	0.1709	0.0158	905.2877
2028	1.5512	3.9410	6.3574	0.0141	0.6362	0.1541	0.7903	0.1717	0.1468	0.3185	0.0000	1,257.4013	1,257.4013	0.1400	0.0352	1,271.3903
2029	0.3259	0.9819	1.6041	3.3100e-003	0.1242	0.0407	0.1649	0.0335	0.0384	0.0719	0.0000	293.5521	293.5521	0.0445	6.5300e-003	296.6096
Maximum	1.5512	3.9410	6.3574	0.0141	0.6362	0.1541	0.7903	0.1717	0.1468	0.3185	0.0000	1,257.4013	1,257.4013	0.1709	0.0352	1,271.3903

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.51	0.00	14.20	23.04	0.00	13.55	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2027	8-31-2027	2.3800	2.3800
2	9-1-2027	11-30-2027	1.3788	1.3788
3	12-1-2027	2-29-2028	1.3771	1.3771
4	3-1-2028	5-31-2028	1.3879	1.3879
5	6-1-2028	8-31-2028	1.3865	1.3865
6	9-1-2028	11-30-2028	1.3742	1.3742
7	12-1-2028	2-28-2029	1.3577	1.3577
8	3-1-2029	5-31-2029	0.4021	0.4021
		Highest	2.3800	2.3800

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	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602
Energy	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	797.4680	797.4680	0.0403	0.0115	801.9066
Mobile	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847
Waste						0.0000	0.0000		0.0000	0.0000	56.1717	0.0000	56.1717	3.3197	0.0000	139.1629

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Water						0.0000	0.0000		0.0000	0.0000	8.2682	92.5544	100.8225	0.8570	0.0210	128.5059
Total	4.6306	2.1227	19.0637	0.0397	4.1049	0.4540	4.5589	1.0958	0.4528	1.5486	106.9274	3,816.2078	3,923.1353	4.4889	0.1700	4,086.0203

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

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	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602
Energy	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	797.4680	797.4680	0.0403	0.0115	801.9066
Mobile	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847
Waste						0.0000	0.0000		0.0000	0.0000	56.1717	0.0000	56.1717	3.3197	0.0000	139.1629
Water						0.0000	0.0000		0.0000	0.0000	8.2682	92.5544	100.8225	0.8570	0.0210	128.5059
Total	4.6306	2.1227	19.0637	0.0397	4.1049	0.4540	4.5589	1.0958	0.4528	1.5486	106.9274	3,816.2078	3,923.1353	4.4889	0.1700	4,086.0203

	ROG	NOx	CO	SO2	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	6/1/2027	7/28/2027	5	42	
2	Building Construction	Building Construction	7/29/2027	3/8/2029	5	421	
3	Architectural Coating	Architectural Coating	7/29/2027	3/8/2029	5	421	

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	359.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	72.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2807	0.0000	0.2807	0.1420	0.0000	0.1420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596
Total	0.1783	1.7088	1.5579	3.8800e-003	0.2807	0.0686	0.3492	0.1420	0.0631	0.2051	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836
Total	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836

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					0.1200	0.0000	0.1200	0.0607	0.0000	0.0607	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592
Total	0.1783	1.7088	1.5579	3.8800e-003	0.1200	0.0686	0.1885	0.0607	0.0631	0.1238	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836
Total	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836

3.3 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	0.1378	1.2414	1.7164	2.7400e-003		0.0525	0.0525		0.0495	0.0495	0.0000	234.9088	234.9088	0.0530	0.0000	236.2344
Total	0.1378	1.2414	1.7164	2.7400e-003		0.0525	0.0525		0.0495	0.0495	0.0000	234.9088	234.9088	0.0530	0.0000	236.2344

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	5.1300e-003	0.1661	0.0654	8.1000e-004	0.0315	1.4000e-003	0.0329	9.0800e-003	1.3400e-003	0.0104	0.0000	78.0821	78.0821	9.7000e-004	0.0115	81.5222
Worker	0.0504	0.0318	0.4843	1.6100e-003	0.2210	8.4000e-004	0.2218	0.0587	7.8000e-004	0.0595	0.0000	147.9316	147.9316	2.8500e-003	3.4400e-003	149.0290
Total	0.0556	0.1978	0.5497	2.4200e-003	0.2525	2.2400e-003	0.2547	0.0678	2.1200e-003	0.0699	0.0000	226.0137	226.0137	3.8200e-003	0.0149	230.5512

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	0.1378	1.2414	1.7164	2.7400e-003		0.0525	0.0525		0.0495	0.0495	0.0000	234.9085	234.9085	0.0530	0.0000	236.2342
Total	0.1378	1.2414	1.7164	2.7400e-003		0.0525	0.0525		0.0495	0.0495	0.0000	234.9085	234.9085	0.0530	0.0000	236.2342

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	5.1300e-003	0.1661	0.0654	8.1000e-004	0.0295	1.4000e-003	0.0309	8.5900e-003	1.3400e-003	9.9300e-003	0.0000	78.0821	78.0821	9.7000e-004	0.0115	81.5222
Worker	0.0504	0.0318	0.4843	1.6100e-003	0.2037	8.4000e-004	0.2046	0.0544	7.8000e-004	0.0552	0.0000	147.9316	147.9316	2.8500e-003	3.4400e-003	149.0290
Total	0.0556	0.1978	0.5497	2.4200e-003	0.2332	2.2400e-003	0.2355	0.0630	2.1200e-003	0.0652	0.0000	226.0137	226.0137	3.8200e-003	0.0149	230.5512

3.3 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	0.3199	2.8818	3.9845	6.3500e-003		0.1219	0.1219		0.1149	0.1149	0.0000	545.3240	545.3240	0.1231	0.0000	548.4014
Total	0.3199	2.8818	3.9845	6.3500e-003		0.1219	0.1219		0.1149	0.1149	0.0000	545.3240	545.3240	0.1231	0.0000	548.4014

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0118	0.3823	0.1510	1.8500e-003	0.0731	3.2300e-003	0.0763	0.0211	3.0900e-003	0.0242	0.0000	177.8027	177.8027	2.3300e-003	0.0261	185.6248
Worker	0.1105	0.0677	1.0671	3.6500e-003	0.5130	1.8300e-003	0.5148	0.1362	1.6800e-003	0.1379	0.0000	334.4332	334.4332	6.0700e-003	7.6200e-003	336.8559
Total	0.1223	0.4500	1.2181	5.5000e-003	0.5861	5.0600e-003	0.5911	0.1573	4.7700e-003	0.1621	0.0000	512.2359	512.2359	8.4000e-003	0.0337	522.4806

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	0.3199	2.8818	3.9845	6.3500e-003		0.1219	0.1219		0.1149	0.1149	0.0000	545.3234	545.3234	0.1231	0.0000	548.4007
Total	0.3199	2.8818	3.9845	6.3500e-003		0.1219	0.1219		0.1149	0.1149	0.0000	545.3234	545.3234	0.1231	0.0000	548.4007

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

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	0.0118	0.3823	0.1510	1.8500e-003	0.0684	3.2300e-003	0.0717	0.0199	3.0900e-003	0.0230	0.0000	177.8027	177.8027	2.3300e-003	0.0261	185.6248
Worker	0.1105	0.0677	1.0671	3.6500e-003	0.4729	1.8300e-003	0.4748	0.1264	1.6800e-003	0.1281	0.0000	334.4332	334.4332	6.0700e-003	7.6200e-003	336.8559
Total	0.1223	0.4500	1.2181	5.5000e-003	0.5414	5.0600e-003	0.5464	0.1463	4.7700e-003	0.1511	0.0000	512.2359	512.2359	8.4000e-003	0.0337	522.4806

3.3 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	0.0603	0.5431	0.7509	1.2000e-003		0.0230	0.0230		0.0217	0.0217	0.0000	102.7726	102.7726	0.0232	0.0000	103.3526
Total	0.0603	0.5431	0.7509	1.2000e-003		0.0230	0.0230		0.0217	0.0217	0.0000	102.7726	102.7726	0.0232	0.0000	103.3526

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	2.2100e-003	0.0715	0.0283	3.4000e-004	0.0138	6.1000e-004	0.0144	3.9700e-003	5.8000e-004	4.5500e-003	0.0000	32.8953	32.8953	4.5000e-004	4.8100e-003	34.3404
Worker	0.0197	0.0118	0.1917	6.7000e-004	0.0967	3.2000e-004	0.0970	0.0257	3.0000e-004	0.0260	0.0000	61.5302	61.5302	1.0500e-003	1.3800e-003	61.9668
Total	0.0219	0.0833	0.2201	1.0100e-003	0.1104	9.3000e-004	0.1114	0.0296	8.8000e-004	0.0305	0.0000	94.4255	94.4255	1.5000e-003	6.1900e-003	96.3072

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	0.0603	0.5431	0.7509	1.2000e-003		0.0230	0.0230		0.0217	0.0217	0.0000	102.7725	102.7725	0.0232	0.0000	103.3525
Total	0.0603	0.5431	0.7509	1.2000e-003		0.0230	0.0230		0.0217	0.0217	0.0000	102.7725	102.7725	0.0232	0.0000	103.3525

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	2.2100e-003	0.0715	0.0283	3.4000e-004	0.0129	6.1000e-004	0.0135	3.7600e-003	5.8000e-004	4.3400e-003	0.0000	32.8953	32.8953	4.5000e-004	4.8100e-003	34.3404
Worker	0.0197	0.0118	0.1917	6.7000e-004	0.0891	3.2000e-004	0.0895	0.0238	3.0000e-004	0.0241	0.0000	61.5302	61.5302	1.0500e-003	1.3800e-003	61.9668
Total	0.0219	0.0833	0.2201	1.0100e-003	0.1020	9.3000e-004	0.1030	0.0276	8.8000e-004	0.0285	0.0000	94.4255	94.4255	1.5000e-003	6.1900e-003	96.3072

3.4 Architectural Coating - 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					
Archit. Coating	0.4299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0383	0.2566	0.4053	6.7000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	57.1929	57.1929	3.1200e-003	0.0000	57.2709
Total	0.4682	0.2566	0.4053	6.7000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	57.1929	57.1929	3.1200e-003	0.0000	57.2709

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0443	1.7000e-004	0.0445	0.0118	1.6000e-004	0.0119	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888
Total	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0443	1.7000e-004	0.0445	0.0118	1.6000e-004	0.0119	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888

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	0.4299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0383	0.2566	0.4053	6.7000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	57.1928	57.1928	3.1200e-003	0.0000	57.2708
Total	0.4682	0.2566	0.4053	6.7000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	57.1928	57.1928	3.1200e-003	0.0000	57.2708

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0409	1.7000e-004	0.0410	0.0109	1.6000e-004	0.0111	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888
Total	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0409	1.7000e-004	0.0410	0.0109	1.6000e-004	0.0111	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888

3.4 Architectural Coating - 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					
Archit. Coating	0.9979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0889	0.5957	0.9408	1.5500e-003		0.0268	0.0268		0.0268	0.0268	0.0000	132.7692	132.7692	7.2400e-003	0.0000	132.9503
Total	1.0868	0.5957	0.9408	1.5500e-003		0.0268	0.0268		0.0268	0.0268	0.0000	132.7692	132.7692	7.2400e-003	0.0000	132.9503

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0222	0.0136	0.2140	7.3000e-004	0.1029	3.7000e-004	0.1033	0.0273	3.4000e-004	0.0277	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588
Total	0.0222	0.0136	0.2140	7.3000e-004	0.1029	3.7000e-004	0.1033	0.0273	3.4000e-004	0.0277	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588

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	0.9979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0889	0.5957	0.9408	1.5500e-003		0.0268	0.0268		0.0268	0.0268	0.0000	132.7690	132.7690	7.2400e-003	0.0000	132.9501
Total	1.0868	0.5957	0.9408	1.5500e-003		0.0268	0.0268		0.0268	0.0268	0.0000	132.7690	132.7690	7.2400e-003	0.0000	132.9501

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0222	0.0136	0.2140	7.3000e-004	0.0949	3.7000e-004	0.0952	0.0254	3.4000e-004	0.0257	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588
Total	0.0222	0.0136	0.2140	7.3000e-004	0.0949	3.7000e-004	0.0952	0.0254	3.4000e-004	0.0257	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588

3.4 Architectural Coating - 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					
Archit. Coating	0.1881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1123	0.1773	2.9000e-004		5.0500e-003	5.0500e-003		5.0500e-003	5.0500e-003	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560
Total	0.2048	0.1123	0.1773	2.9000e-004		5.0500e-003	5.0500e-003		5.0500e-003	5.0500e-003	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0194	6.0000e-005	0.0195	5.1500e-003	6.0000e-005	5.2100e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279
Total	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0194	6.0000e-005	0.0195	5.1500e-003	6.0000e-005	5.2100e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279

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	0.1881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1123	0.1773	2.9000e-004		5.0500e-003	5.0500e-003		5.0500e-003	5.0500e-003	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560
Total	0.2048	0.1123	0.1773	2.9000e-004		5.0500e-003	5.0500e-003		5.0500e-003	5.0500e-003	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0179	6.0000e-005	0.0179	4.7800e-003	6.0000e-005	4.8400e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279
Total	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0179	6.0000e-005	0.0179	4.7800e-003	6.0000e-005	4.8400e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279

3.5 Paving - 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	0.0256	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0341	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590
Total	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590

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	0.0256	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0341	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590
Total	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590

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	tons/yr										MT/yr					
Mitigated	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847

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

Unmitigated	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,976.40	2,197.80	1695.60	6,724,662	6,724,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,227.20	1,240.20	1111.50	4,143,394	4,143,394
Total	3,203.60	3,438.00	2,807.10	10,868,056	10,868,056

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	383.2956	383.2956	0.0324	3.9200e-003	385.2729
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	383.2956	383.2956	0.0324	3.9200e-003	385.2729
NaturalGas Mitigated	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.5900e-003	416.6336
NaturalGas Unmitigated	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.5900e-003	416.6336

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.084e+006	0.0220	0.1882	0.0801	1.2000e-003		0.0152	0.0152		0.0152	0.0152	0.0000	217.9376	217.9376	4.1800e-003	4.0000e-003	219.2327
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.6773e+006	0.0198	0.1694	0.0721	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.2349	196.2349	3.7600e-003	3.6000e-003	197.4010
Total		0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.6000e-003	416.6336

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	4.084e+006	0.0220	0.1882	0.0801	1.2000e-003		0.0152	0.0152		0.0152	0.0152	0.0000	217.9376	217.9376	4.1800e-003	4.0000e-003	219.2327
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.6773e+006	0.0198	0.1694	0.0721	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.2349	196.2349	3.7600e-003	3.6000e-003	197.4010
Total		0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.6000e-003	416.6336

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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****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.12589e+006		199.6710	0.0169	2.0400e-003	200.7010
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.03541e+006		183.6246	0.0155	1.8800e-003	184.5719
Total			383.2956	0.0324	3.9200e-003	385.2729

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.12589e+006		199.6710	0.0169	2.0400e-003	200.7010
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.03541e+006		183.6246	0.0155	1.8800e-003	184.5719
Total			383.2956	0.0324	3.9200e-003	385.2729

6.0 Area Detail

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	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602
Unmitigated	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602

Green Vally SP Phase 2 - 2.2 Construction - 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	0.1616					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3102	0.1037	2.5428	6.4900e-003		0.3819	0.3819		0.3819	0.3819	42.4876	81.6466	124.1343	0.1267	2.8800e-003	128.1613
Landscaping	0.1231	0.0474	4.1142	2.2000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	6.7384	6.7384	6.4200e-003	0.0000	6.8989
Total	3.4342	0.1512	6.6570	6.7100e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

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	0.1616					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3102	0.1037	2.5428	6.4900e-003		0.3819	0.3819		0.3819	0.3819	42.4876	81.6466	124.1343	0.1267	2.8800e-003	128.1613
Landscaping	0.1231	0.0474	4.1142	2.2000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	6.7384	6.7384	6.4200e-003	0.0000	6.8989
Total	3.4342	0.1512	6.6570	6.7100e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	100.8225	0.8570	0.0210	128.5059	

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Unmitigated		100.8225	0.8570	0.0210	128.5059
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	17.5916 / 11.0903		68.0552	0.5785	0.0142	86.7415
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.47002 / 5.3398		32.7673	0.2785	6.8200e-003	41.7644
Total			100.8225	0.8570	0.0210	128.5059

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	17.5916 / 11.0903		68.0552	0.5785	0.0142	86.7415
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.47002 / 5.3398		32.7673	0.2785	6.8200e-003	41.7644
Total			100.8225	0.8570	0.0210	128.5059

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		56.1717	3.3197	0.0000	139.1629
Unmitigated		56.1717	3.3197	0.0000	139.1629

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	124.2		25.2115	1.4900	0.0000	62.4604
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	152.52		30.9602	1.8297	0.0000	76.7025
Total			56.1717	3.3197	0.0000	139.1629

Green Valley SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	124.2		25.2115	1.4900	0.0000	62.4604
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	152.52		30.9602	1.8297	0.0000	76.7025
Total			56.1717	3.3197	0.0000	139.1629

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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Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

11.0 Vegetation

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - 2.2 Construction

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	270.00	Dwelling Unit	18.94	270,000.00	772
Single Family Housing	130.00	Dwelling Unit	26.93	234,000.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.2 Construction - 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
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	52.30
tblLandUse	LotAcreage	16.88	18.94
tblLandUse	LotAcreage	42.21	26.93
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.2 Construction - 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					
2027	12.1265	81.4432	75.5882	0.1891	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8245
2028	12.0572	30.1406	50.5096	0.1112	5.3876	1.1850	6.5726	1.4418	1.1294	2.5712	0.0000	10,925.0809	10,925.0809	1.1862	0.2951	11,042.6597
2029	11.9913	30.0747	49.9650	0.1101	5.3876	1.1837	6.5713	1.4418	1.1282	2.5700	0.0000	10,810.1155	10,810.1155	1.4313	0.2876	10,925.3519
Maximum	12.1265	81.4432	75.5882	0.1891	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8245

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	12.1265	81.4432	75.5882	0.1891	6.2286	3.2669	9.4955	3.0287	3.0056	6.0343	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8244
2028	12.0572	30.1406	50.5096	0.1112	4.9741	1.1850	6.1591	1.3403	1.1294	2.4697	0.0000	10,925.0809	10,925.0809	1.1862	0.2951	11,042.6597
2029	11.9913	30.0747	49.9650	0.1101	4.9741	1.1837	6.1578	1.3403	1.1282	2.4685	0.0000	10,810.1155	10,810.1155	1.4313	0.2876	10,925.3519
Maximum	12.1265	81.4432	75.5882	0.1891	6.2286	3.2669	9.4955	3.0287	3.0056	6.0343	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8244

Green Vally SP Phase 2 - 2.2 Construction - 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	34.50	0.00	28.09	41.71	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.00

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846
Total	124.9656	19.6065	316.4825	0.7265	24.7898	31.0175	55.8073	6.6091	31.0100	37.6190	3,746.7674	29,458.8190	33,205.5863	12.1718	1.1591	33,855.3048

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846
Total	124.9656	19.6065	316.4825	0.7265	24.7898	31.0175	55.8073	6.6091	31.0100	37.6190	3,746.7674	29,458.8190	33,205.5863	12.1718	1.1591	33,855.3048

	ROG	NOx	CO	SO2	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	6/1/2027	7/28/2027	5	42	
2	Building Construction	Building Construction	7/29/2027	3/8/2029	5	421	
3	Architectural Coating	Architectural Coating	7/29/2027	3/8/2029	5	421	
4	Paving	Paving	3/9/2029	4/17/2029	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 52.3****Acres of Paving: 6.45****Residential Indoor: 1,020,600; Residential Outdoor: 340,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	359.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Architectural Coating	4	72.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.3648	0.0000	13.3648	6.7631	0.0000	6.7631			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.3648	3.2648	16.6296	6.7631	3.0037	9.7667		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1404	0.0743	1.4036	4.3200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303
Total	0.1404	0.0743	1.4036	4.3200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7134	0.0000	5.7134	2.8912	0.0000	2.8912			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	5.7134	3.2648	8.9783	2.8912	3.0037	5.8949	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1404	0.0743	1.4036	4.3200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303
Total	0.1404	0.0743	1.4036	4.3200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5700	0.0249	0.5949	0.1641	0.0239	0.1880		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0081	0.5333	10.0782	0.0311	4.0128	0.0151	4.0279	1.0642	0.0139	1.0781		3,138.6371	3,138.6371	0.0556	0.0651	3,159.4172
Total	1.1033	3.3594	11.2280	0.0455	4.5828	0.0400	4.6228	1.2283	0.0377	1.2661		4,673.9756	4,673.9756	0.0748	0.2903	4,762.3661

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5335	0.0249	0.5584	0.1552	0.0239	0.1790		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0081	0.5333	10.0782	0.0311	3.6988	0.0151	3.7139	0.9871	0.0139	1.0010		3,138.6371	3,138.6371	0.0556	0.0651	3,159.4172
Total	1.1033	3.3594	11.2280	0.0455	4.2323	0.0400	4.2723	1.1423	0.0377	1.1800		4,673.9756	4,673.9756	0.0748	0.2903	4,762.3661

3.3 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0945	2.8030	1.1434	0.0142	0.5700	0.0248	0.5948	0.1641	0.0237	0.1879		1,506.0326	1,506.0326	0.0199	0.2206	1,572.2555
Worker	0.9510	0.4899	9.5620	0.0302	4.0128	0.0141	4.0268	1.0642	0.0129	1.0772		3,056.3148	3,056.3148	0.0509	0.0621	3,076.0779
Total	1.0455	3.2929	10.7054	0.0444	4.5828	0.0389	4.6217	1.2283	0.0367	1.2650		4,562.3474	4,562.3474	0.0708	0.2826	4,648.3334

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0945	2.8030	1.1434	0.0142	0.5335	0.0248	0.5583	0.1552	0.0237	0.1789		1,506.0326	1,506.0326	0.0199	0.2206	1,572.2555
Worker	0.9510	0.4899	9.5620	0.0302	3.6988	0.0141	3.7129	0.9871	0.0129	1.0001		3,056.3148	3,056.3148	0.0509	0.0621	3,076.0779
Total	1.0455	3.2929	10.7054	0.0444	4.2323	0.0389	4.2712	1.1423	0.0367	1.1790		4,562.3474	4,562.3474	0.0708	0.2826	4,648.3334

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0939	2.7819	1.1384	0.0139	0.5700	0.0247	0.5947	0.1641	0.0236	0.1877		1,478.4456	1,478.4456	0.0205	0.2161	1,543.3656
Worker	0.8966	0.4526	9.1125	0.0295	4.0128	0.0131	4.0259	1.0642	0.0121	1.0763		2,983.5332	2,983.5332	0.0469	0.0595	3,002.4305
Total	0.9905	3.2345	10.2509	0.0434	4.5828	0.0378	4.6206	1.2283	0.0357	1.2640		4,461.9788	4,461.9788	0.0673	0.2756	4,545.7961

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0939	2.7819	1.1384	0.0139	0.5335	0.0247	0.5582	0.1552	0.0236	0.1788		1,478.4456	1,478.4456	0.0205	0.2161	1,543.3656
Worker	0.8966	0.4526	9.1125	0.0295	3.6988	0.0131	3.7119	0.9871	0.0121	0.9992		2,983.5332	2,983.5332	0.0469	0.0595	3,002.4305
Total	0.9905	3.2345	10.2509	0.0434	4.2323	0.0378	4.2701	1.1423	0.0357	1.1780		4,461.9788	4,461.9788	0.0673	0.2756	4,545.7961

3.4 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2022	0.1070	2.0212	6.2300e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		629.4760	629.4760	0.0112	0.0131	633.6436
Total	0.2022	0.1070	2.0212	6.2300e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		629.4760	629.4760	0.0112	0.0131	633.6436

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2022	0.1070	2.0212	6.2300e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		629.4760	629.4760	0.0112	0.0131	633.6436
Total	0.2022	0.1070	2.0212	6.2300e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		629.4760	629.4760	0.0112	0.0131	633.6436

3.4 Architectural Coating - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1907	0.0983	1.9177	6.0600e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		612.9656	612.9656	0.0102	0.0124	616.9293
Total	0.1907	0.0983	1.9177	6.0600e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		612.9656	612.9656	0.0102	0.0124	616.9293

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1907	0.0983	1.9177	6.0600e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		612.9656	612.9656	0.0102	0.0124	616.9293
Total	0.1907	0.0983	1.9177	6.0600e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		612.9656	612.9656	0.0102	0.0124	616.9293

3.4 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1798	0.0908	1.8276	5.9200e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		598.3688	598.3688	9.4000e-003	0.0119	602.1588
Total	0.1798	0.0908	1.8276	5.9200e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		598.3688	598.3688	9.4000e-003	0.0119	602.1588

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1798	0.0908	1.8276	5.9200e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		598.3688	598.3688	9.4000e-003	0.0119	602.1588
Total	0.1798	0.0908	1.8276	5.9200e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		598.3688	598.3688	9.4000e-003	0.0119	602.1588

3.5 Paving - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0749	0.0378	0.7615	2.4700e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995
Total	0.0749	0.0378	0.7615	2.4700e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995

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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

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	0.0749	0.0378	0.7615	2.4700e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995
Total	0.0749	0.0378	0.7615	2.4700e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995

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	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Unmitigated	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,976.40	2,197.80	1695.60	6,724,662	6,724,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,227.20	1,240.20	1111.50	4,143,394	4,143,394
Total	3,203.60	3,438.00	2,807.10	10,868,056	10,868,056

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
NaturalGas Unmitigated	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - 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					
Apartments Low Rise	11189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10074.8	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	11.189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.0748	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

6.0 Area Detail

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Unmitigated	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - 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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.2 Construction****Riverside-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	270.00	Dwelling Unit	18.94	270,000.00	772
Single Family Housing	130.00	Dwelling Unit	26.93	234,000.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.2 Construction - 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
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	52.30
tblLandUse	LotAcreage	16.88	18.94
tblLandUse	LotAcreage	42.21	26.93
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.2 Construction - 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					
2027	12.0565	81.4459	75.3284	0.1887	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,285.5639	18,285.5639	5.7935	0.3059	18,433.1631
2028	11.9933	30.3322	48.4305	0.1079	5.3876	1.1851	6.5727	1.4418	1.1295	2.5712	0.0000	10,587.4695	10,587.4695	1.1863	0.2974	10,705.7662
2029	11.9331	30.2635	47.9899	0.1069	5.3876	1.1838	6.5714	1.4418	1.1283	2.5701	0.0000	10,480.8242	10,480.8242	1.4314	0.2899	10,596.7518
Maximum	12.0565	81.4459	75.3284	0.1887	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,285.5639	18,285.5639	5.7935	0.3059	18,433.1631

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	12.0565	81.4459	75.3284	0.1887	6.2286	3.2669	9.4955	3.0287	3.0056	6.0343	0.0000	18,285.5638	18,285.5638	5.7935	0.3059	18,433.1631
2028	11.9933	30.3322	48.4305	0.1079	4.9741	1.1851	6.1592	1.3403	1.1295	2.4697	0.0000	10,587.4695	10,587.4695	1.1863	0.2974	10,705.7662
2029	11.9331	30.2635	47.9899	0.1069	4.9741	1.1838	6.1579	1.3403	1.1283	2.4686	0.0000	10,480.8242	10,480.8242	1.4314	0.2899	10,596.7518
Maximum	12.0565	81.4459	75.3284	0.1887	6.2286	3.2669	9.4955	3.0287	3.0056	6.0343	0.0000	18,285.5638	18,285.5638	5.7935	0.3059	18,433.1631

Green Vally SP Phase 2 - 2.2 Construction - 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	34.50	0.00	28.09	41.71	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.00

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337
Total	123.7563	20.2118	307.7485	0.7125	24.7898	31.0176	55.8074	6.6091	31.0101	37.6191	3,746.7674	28,049.6505	31,796.4178	12.1885	1.1776	32,452.0540

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337
Total	123.7563	20.2118	307.7485	0.7125	24.7898	31.0176	55.8074	6.6091	31.0101	37.6191	3,746.7674	28,049.6505	31,796.4178	12.1885	1.1776	32,452.0540

	ROG	NOx	CO	SO2	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	6/1/2027	7/28/2027	5	42	
2	Building Construction	Building Construction	7/29/2027	3/8/2029	5	421	
3	Architectural Coating	Architectural Coating	7/29/2027	3/8/2029	5	421	
4	Paving	Paving	3/9/2029	4/17/2029	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 52.3****Acres of Paving: 6.45****Residential Indoor: 1,020,600; Residential Outdoor: 340,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	359.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Architectural Coating	4	72.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.3648	0.0000	13.3648	6.7631	0.0000	6.7631			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.3648	3.2648	16.6296	6.7631	3.0037	9.7667		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1331	0.0770	1.1438	3.9200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689
Total	0.1331	0.0770	1.1438	3.9200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7134	0.0000	5.7134	2.8912	0.0000	2.8912			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	5.7134	3.2648	8.9783	2.8912	3.0037	5.8949	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1331	0.0770	1.1438	3.9200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689
Total	0.1331	0.0770	1.1438	3.9200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5700	0.0250	0.5950	0.1641	0.0239	0.1880		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9559	0.5526	8.2125	0.0282	4.0128	0.0151	4.0279	1.0642	0.0139	1.0781		2,846.2418	2,846.2418	0.0559	0.0665	2,867.4687
Total	1.0438	3.5505	9.4024	0.0427	4.5828	0.0401	4.6229	1.2283	0.0378	1.2661		4,385.4767	4,385.4767	0.0748	0.2926	4,474.5263

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5335	0.0250	0.5585	0.1552	0.0239	0.1791		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9559	0.5526	8.2125	0.0282	3.6988	0.0151	3.7139	0.9871	0.0139	1.0010		2,846.2418	2,846.2418	0.0559	0.0665	2,867.4687
Total	1.0438	3.5505	9.4024	0.0427	4.2323	0.0401	4.2724	1.1423	0.0378	1.1801		4,385.4767	4,385.4767	0.0748	0.2926	4,474.5263

3.3 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0872	2.9735	1.1836	0.0142	0.5700	0.0249	0.5949	0.1641	0.0238	0.1879		1,509.8680	1,509.8680	0.0195	0.2213	1,576.2985
Worker	0.9038	0.5075	7.7968	0.0274	4.0128	0.0141	4.0268	1.0642	0.0129	1.0772		2,771.9078	2,771.9078	0.0514	0.0634	2,792.0959
Total	0.9911	3.4810	8.9803	0.0416	4.5828	0.0390	4.6217	1.2283	0.0368	1.2651		4,281.7758	4,281.7758	0.0709	0.2847	4,368.3944

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0872	2.9735	1.1836	0.0142	0.5335	0.0249	0.5584	0.1552	0.0238	0.1790		1,509.8680	1,509.8680	0.0195	0.2213	1,576.2985
Worker	0.9038	0.5075	7.7968	0.0274	3.6988	0.0141	3.7129	0.9871	0.0129	1.0001		2,771.9078	2,771.9078	0.0514	0.0634	2,792.0959
Total	0.9911	3.4810	8.9803	0.0416	4.2323	0.0390	4.2712	1.1423	0.0368	1.1790		4,281.7758	4,281.7758	0.0709	0.2847	4,368.3944

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0866	2.9514	1.1786	0.0140	0.5700	0.0248	0.5948	0.1641	0.0237	0.1878		1,482.2198	1,482.2198	0.0201	0.2169	1,547.3432
Worker	0.8541	0.4687	7.4339	0.0268	4.0128	0.0131	4.0259	1.0642	0.0121	1.0763		2,706.1074	2,706.1074	0.0473	0.0608	2,725.4110
Total	0.9408	3.4201	8.6125	0.0407	4.5828	0.0379	4.6206	1.2283	0.0358	1.2641		4,188.3272	4,188.3272	0.0675	0.2777	4,272.7542

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0866	2.9514	1.1786	0.0140	0.5335	0.0248	0.5582	0.1552	0.0237	0.1788		1,482.2198	1,482.2198	0.0201	0.2169	1,547.3432
Worker	0.8541	0.4687	7.4339	0.0268	3.6988	0.0131	3.7119	0.9871	0.0121	0.9992		2,706.1074	2,706.1074	0.0473	0.0608	2,725.4110
Total	0.9408	3.4201	8.6125	0.0407	4.2323	0.0379	4.2701	1.1423	0.0358	1.1780		4,188.3272	4,188.3272	0.0675	0.2777	4,272.7542

3.4 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1917	0.1108	1.6471	5.6500e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		570.8340	570.8340	0.0112	0.0134	575.0912
Total	0.1917	0.1108	1.6471	5.6500e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		570.8340	570.8340	0.0112	0.0134	575.0912

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1917	0.1108	1.6471	5.6500e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		570.8340	570.8340	0.0112	0.0134	575.0912
Total	0.1917	0.1108	1.6471	5.6500e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		570.8340	570.8340	0.0112	0.0134	575.0912

3.4 Architectural Coating - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1813	0.1018	1.5637	5.5000e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		555.9258	555.9258	0.0103	0.0127	559.9747
Total	0.1813	0.1018	1.5637	5.5000e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		555.9258	555.9258	0.0103	0.0127	559.9747

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1813	0.1018	1.5637	5.5000e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		555.9258	555.9258	0.0103	0.0127	559.9747
Total	0.1813	0.1018	1.5637	5.5000e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		555.9258	555.9258	0.0103	0.0127	559.9747

3.4 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1713	0.0940	1.4909	5.3700e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		542.7291	542.7291	9.4900e-003	0.0122	546.6005
Total	0.1713	0.0940	1.4909	5.3700e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		542.7291	542.7291	9.4900e-003	0.0122	546.6005

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1713	0.0940	1.4909	5.3700e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		542.7291	542.7291	9.4900e-003	0.0122	546.6005
Total	0.1713	0.0940	1.4909	5.3700e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		542.7291	542.7291	9.4900e-003	0.0122	546.6005

3.5 Paving - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0714	0.0392	0.6212	2.2400e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502
Total	0.0714	0.0392	0.6212	2.2400e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502

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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

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	0.0714	0.0392	0.6212	2.2400e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502
Total	0.0714	0.0392	0.6212	2.2400e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502

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	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Unmitigated	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,976.40	2,197.80	1695.60	6,724,662	6,724,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,227.20	1,240.20	1111.50	4,143,394	4,143,394
Total	3,203.60	3,438.00	2,807.10	10,868,056	10,868,056

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
NaturalGas Unmitigated	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - 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					
Apartments Low Rise	11189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10074.8	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	11.189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.0748	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

6.0 Area Detail

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Unmitigated	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - 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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.3 Construction****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	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	299.00	Dwelling Unit	20.97	299,000.00	855
Single Family Housing	110.00	Dwelling Unit	22.79	198,000.00	315
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	57.10
tblLandUse	LotAcreage	18.69	20.97
tblLandUse	LotAcreage	35.71	22.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.0 Emissions Summary****2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	1.6921	5.2195	7.3054	0.0178	1.0859	0.2003	1.2862	0.3576	0.1886	0.5463	0.0000	1,590.0402	1,590.0402	0.2308	0.0434	1,608.7490
2030	1.4112	2.5969	5.7226	0.0141	0.7343	0.0507	0.7850	0.1970	0.0504	0.2474	0.0000	1,256.8475	1,256.8475	0.0362	0.0390	1,269.3848
Maximum	1.6921	5.2195	7.3054	0.0178	1.0859	0.2003	1.2862	0.3576	0.1886	0.5463	0.0000	1,590.0402	1,590.0402	0.2308	0.0434	1,608.7490

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					
2029	1.6921	5.2195	7.3053	0.0178	0.8624	0.2003	1.0627	0.2611	0.1886	0.4497	0.0000	1,590.0392	1,590.0392	0.2308	0.0434	1,608.7479
2030	1.4112	2.5969	5.7226	0.0141	0.6783	0.0507	0.7290	0.1833	0.0504	0.2337	0.0000	1,256.8467	1,256.8467	0.0362	0.0390	1,269.3840
Maximum	1.6921	5.2195	7.3053	0.0178	0.8624	0.2003	1.0627	0.2611	0.1886	0.4497	0.0000	1,590.0392	1,590.0392	0.2308	0.0434	1,608.7479

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	15.35	0.00	13.49	19.88	0.00	13.89	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	1-1-2029	3-31-2029	2.3904	2.3904
2	4-1-2029	6-30-2029	1.4869	1.4869
3	7-1-2029	9-30-2029	1.5033	1.5033
4	10-1-2029	12-31-2029	1.5102	1.5102
5	1-1-2030	3-31-2030	1.2001	1.2001
6	4-1-2030	6-30-2030	1.2065	1.2065
7	7-1-2030	9-30-2030	1.2198	1.2198
		Highest	2.3904	2.3904

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	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031
Energy	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	1,906.8767	1,906.8767	0.1244	0.0241	1,917.1535
Mobile	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491
Waste						0.0000	0.0000		0.0000	0.0000	226.2456	0.0000	226.2456	13.3707	0.0000	560.5139
Water						0.0000	0.0000		0.0000	0.0000	14.3312	146.4078	160.7390	1.4843	0.0363	208.6504

Green Vally SP Phase 2 - 2.3 Construction - 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	9.8828	7.4006	56.1528	0.1140	13.5348	0.5253	14.0602	3.6133	0.5208	4.1340	284.0204	11,768.6236	12,052.6441	15.7048	0.5980	12,623.4700
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Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

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	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031
Energy	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	1,906.8767	1,906.8767	0.1244	0.0241	1,917.1535
Mobile	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491
Waste						0.0000	0.0000		0.0000	0.0000	226.2456	0.0000	226.2456	13.3707	0.0000	560.5139
Water						0.0000	0.0000		0.0000	0.0000	14.3312	146.4078	160.7390	1.4843	0.0363	208.6504
Total	9.8828	7.4006	56.1528	0.1140	13.5348	0.5253	14.0602	3.6133	0.5208	4.1340	284.0204	11,768.6236	12,052.6441	15.7048	0.5980	12,623.4700

	ROG	NOx	CO	SO2	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	1/1/2029	2/27/2029	5	42	
2	Building Construction	Building Construction	2/28/2029	10/9/2030	5	421	
3	Paving	Paving	10/10/2030	11/18/2030	5	28	

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	482.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	96.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2832	0.0000	0.2832	0.1423	0.0000	0.1423	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596
Total	0.1783	1.7088	1.5579	3.8800e-003	0.2832	0.0686	0.3518	0.1423	0.0631	0.2054	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1000e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976
Total	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1000e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976

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					0.1211	0.0000	0.1211	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592
Total	0.1783	1.7088	1.5579	3.8800e-003	0.1211	0.0686	0.1896	0.0608	0.0631	0.1239	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976
Total	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976

3.3 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	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227
Total	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0153	0.4955	0.1964	2.3600e-003	0.0955	4.2000e-003	0.0997	0.0275	4.0100e-003	0.0316	0.0000	227.9662	227.9662	3.1300e-003	0.0333	237.9811
Worker	0.1180	0.0707	1.1505	4.0300e-003	0.5801	1.9300e-003	0.5820	0.1540	1.7700e-003	0.1558	0.0000	369.2232	369.2232	6.3200e-003	8.2600e-003	371.8430
Total	0.1333	0.5662	1.3469	6.3900e-003	0.6756	6.1300e-003	0.6817	0.1816	5.7800e-003	0.1874	0.0000	597.1894	597.1894	9.4500e-003	0.0416	609.8241

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	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222
Total	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222

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

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	0.0153	0.4955	0.1964	2.3600e-003	0.0894	4.2000e-003	0.0936	0.0261	4.0100e-003	0.0301	0.0000	227.9662	227.9662	3.1300e-003	0.0333	237.9811
Worker	0.1180	0.0707	1.1505	4.0300e-003	0.5348	1.9300e-003	0.5368	0.1429	1.7700e-003	0.1447	0.0000	369.2232	369.2232	6.3200e-003	8.2600e-003	371.8430
Total	0.1333	0.5662	1.3469	6.3900e-003	0.6242	6.1300e-003	0.6303	0.1690	5.7800e-003	0.1748	0.0000	597.1894	597.1894	9.4500e-003	0.0416	609.8241

3.3 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	0.2411	1.5247	3.1440	5.6300e-003		0.0274	0.0274		0.0274	0.0274	0.0000	477.1478	477.1478	0.0194	0.0000	477.6330
Total	0.2411	1.5247	3.1440	5.6300e-003		0.0274	0.0274		0.0274	0.0274	0.0000	477.1478	477.1478	0.0194	0.0000	477.6330

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0141	0.4538	0.1806	2.1400e-003	0.0880	3.8500e-003	0.0919	0.0254	3.6800e-003	0.0291	0.0000	206.5796	206.5796	2.9700e-003	0.0302	215.6432
Worker	0.1028	0.0606	1.0167	3.6300e-003	0.5351	1.6600e-003	0.5367	0.1421	1.5300e-003	0.1436	0.0000	333.2429	333.2429	5.4000e-003	7.3400e-003	335.5654
Total	0.1168	0.5144	1.1973	5.7700e-003	0.6231	5.5100e-003	0.6286	0.1675	5.2100e-003	0.1727	0.0000	539.8225	539.8225	8.3700e-003	0.0375	551.2086

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	0.2411	1.5247	3.1439	5.6300e-003		0.0274	0.0274		0.0274	0.0274	0.0000	477.1472	477.1472	0.0194	0.0000	477.6324
Total	0.2411	1.5247	3.1439	5.6300e-003		0.0274	0.0274		0.0274	0.0274	0.0000	477.1472	477.1472	0.0194	0.0000	477.6324

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0141	0.4538	0.1806	2.1400e-003	0.0824	3.8500e-003	0.0863	0.0240	3.6800e-003	0.0277	0.0000	206.5796	206.5796	2.9700e-003	0.0302	215.6432
Worker	0.1028	0.0606	1.0167	3.6300e-003	0.4933	1.6600e-003	0.4950	0.1318	1.5300e-003	0.1334	0.0000	333.2429	333.2429	5.4000e-003	7.3400e-003	335.5654
Total	0.1168	0.5144	1.1973	5.7700e-003	0.5758	5.5100e-003	0.5813	0.1559	5.2100e-003	0.1611	0.0000	539.8225	539.8225	8.3700e-003	0.0375	551.2086

3.4 Paving - 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	0.0388	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0472	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951
Total	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951

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	0.0388	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0472	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951
Total	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951

3.5 Architectural Coating - 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					
Archit. Coating	1.0104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0748	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850
Total	1.0852	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0235	0.0141	0.2291	8.0000e-004	0.1155	3.8000e-004	0.1159	0.0307	3.5000e-004	0.0310	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600
Total	0.0235	0.0141	0.2291	8.0000e-004	0.1155	3.8000e-004	0.1159	0.0307	3.5000e-004	0.0310	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600

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	1.0104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0748	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849
Total	1.0852	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0235	0.0141	0.2291	8.0000e-004	0.1065	3.8000e-004	0.1069	0.0285	3.5000e-004	0.0288	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600
Total	0.0235	0.0141	0.2291	8.0000e-004	0.1065	3.8000e-004	0.1069	0.0285	3.5000e-004	0.0288	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600

3.5 Architectural Coating - 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					
Archit. Coating	0.9319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0528	0.3459	0.7263	1.2000e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	103.1515	103.1515	4.1700e-003	0.0000	103.2558
Total	0.9847	0.3459	0.7263	1.2000e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	103.1515	103.1515	4.1700e-003	0.0000	103.2558

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0205	0.0121	0.2025	7.2000e-004	0.1066	3.3000e-004	0.1069	0.0283	3.0000e-004	0.0286	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346
Total	0.0205	0.0121	0.2025	7.2000e-004	0.1066	3.3000e-004	0.1069	0.0283	3.0000e-004	0.0286	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346

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	0.9319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0528	0.3459	0.7263	1.2000e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	103.1513	103.1513	4.1700e-003	0.0000	103.2557
Total	0.9847	0.3459	0.7263	1.2000e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	103.1513	103.1513	4.1700e-003	0.0000	103.2557

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0205	0.0121	0.2025	7.2000e-004	0.0983	3.3000e-004	0.0986	0.0263	3.0000e-004	0.0266	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346
Total	0.0205	0.0121	0.2025	7.2000e-004	0.0983	3.3000e-004	0.0986	0.0263	3.0000e-004	0.0266	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346

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	tons/yr										MT/yr					
Mitigated	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491
Unmitigated	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,188.68	2,433.86	1877.72	7,446,941	7,446,941
City Park	2.61	6.57	7.34	11,086	11,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,038.40	1,049.40	940.50	3,505,949	3,505,949
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	19,276.59	30,182.56	27,842.67	35,834,934	35,834,934

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	1,346.0729	1,346.0729	0.1136	0.0138	1,353.0171
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,346.0729	1,346.0729	0.1136	0.0138	1,353.0171
NaturalGas Mitigated	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364
NaturalGas Unmitigated	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.52265e+006	0.0244	0.2084	0.0887	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	241.3457	241.3457	4.6300e-003	4.4200e-003	242.7799
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.11156e+006	0.0168	0.1434	0.0610	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.0449	166.0449	3.1800e-003	3.0400e-003	167.0316
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0567	0.4927	0.2681	3.1000e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	4.52265e+006	0.0244	0.2084	0.0887	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	241.3457	241.3457	4.6300e-003	4.4200e-003	242.7799
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.11156e+006	0.0168	0.1434	0.0610	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.0449	166.0449	3.1800e-003	3.0400e-003	167.0316
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0567	0.4927	0.2681	3.1000e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364

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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****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.24682e+006		221.1171	0.0187	2.2600e-003	222.2578
City Park	0		0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	876113		155.3747	0.0131	1.5900e-003	156.1762
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			1,346.0729	0.1136	0.0138	1,353.0171

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

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.24682e+006		221.1171	0.0187	2.2600e-003	222.2578
City Park	0		0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	876113		155.3747	0.0131	1.5900e-003	156.1762
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			1,346.0729	0.1136	0.0138	1,353.0171

6.0 Area Detail

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					

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

Mitigated	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031
Unmitigated	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031

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	0.2291					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3397	0.1061	2.6000	6.6300e-003		0.3905	0.3905		0.3905	0.3905	43.4436	83.4837	126.9273	0.1296	2.9500e-003	131.0449
Landscaping	0.1260	0.0485	4.2088	2.2000e-004		0.0234	0.0234		0.0234	0.0234	0.0000	6.8938	6.8938	6.5700e-003	0.0000	7.0582
Total	4.0532	0.1546	6.8087	6.8500e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031

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

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	0.2291					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3397	0.1061	2.6000	6.6300e-003		0.3905	0.3905		0.3905	0.3905	43.4436	83.4837	126.9273	0.1296	2.9500e-003	131.0449
Landscaping	0.1260	0.0485	4.2088	2.2000e-004		0.0234	0.0234		0.0234	0.0234	0.0000	6.8938	6.8938	6.5700e-003	0.0000	7.0582
Total	4.0532	0.1546	6.8087	6.8500e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	160.7390	1.4843	0.0363	208.6504	

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

Unmitigated		160.7390	1.4843	0.0363	208.6504
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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	19.4811 / 12.2815		75.3648	0.6406	0.0157	96.0582
City Park	0 / 3.99146		7.8644	6.6000e-004	8.0000e-005	7.9050
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.16694 / 4.51829		27.7262	0.2357	5.7700e-003	35.3391
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			160.7390	1.4843	0.0363	208.6504

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	19.4811 / 12.2815		75.3648	0.6406	0.0157	96.0582
City Park	0 / 3.99146		7.8644	6.6000e-004	8.0000e-005	7.9050
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.16694 / 4.51829		27.7262	0.2357	5.7700e-003	35.3391
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			160.7390	1.4843	0.0363	208.6504

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e	
	tons/yr	MT/yr			

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

Mitigated		226.2456	13.3707	0.0000	560.5139
Unmitigated		226.2456	13.3707	0.0000	560.5139

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	137.54		27.9194	1.6500	0.0000	69.1691
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	129.15		26.2163	1.5493	0.0000	64.9497
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			226.2456	13.3707	0.0000	560.5139

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	137.54		27.9194	1.6500	0.0000	69.1691
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	129.15		26.2163	1.5493	0.0000	64.9497
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			226.2456	13.3707	0.0000	560.5139

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.3 Construction****Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	299.00	Dwelling Unit	20.97	299,000.00	855
Single Family Housing	110.00	Dwelling Unit	22.79	198,000.00	315
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	57.10
tblLandUse	LotAcreage	18.69	20.97
tblLandUse	LotAcreage	35.71	22.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	13.9606	81.4319	75.4537	0.1889	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600
2030	13.6434	23.4812	54.1315	0.1353	7.3445	0.6623	7.7550	1.9679	0.6622	2.3751	0.0000	13,285.7383	13,285.7383	0.3597	0.4210	13,420.1832
Maximum	13.9606	81.4319	75.4537	0.1889	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	13.9606	81.4319	75.4537	0.1889	6.7823	3.2667	9.5471	3.0343	3.0053	6.0396	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600
2030	13.6434	23.4812	54.1315	0.1353	6.7823	0.6623	7.1928	1.8299	0.6622	2.2371	0.0000	13,285.7382	13,285.7382	0.3597	0.4210	13,420.1832
Maximum	13.9606	81.4319	75.4537	0.1889	6.7823	3.2667	9.5471	3.0343	3.0053	6.0396	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600

Green Vally SP Phase 2 - 2.3 Construction - 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	36.58	0.00	33.22	45.30	0.00	32.74	0.00	0.00	0.00	0.00	0.00	0.00

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	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738
Total	175.1994	58.3330	622.2232	1.3472	99.4790	32.1700	131.6489	26.5215	32.1367	58.6582	3,831.0696	92,134.5308	95,965.6004	16.1421	4.5331	97,720.0171

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738
Total	175.1994	58.3330	622.2232	1.3472	99.4790	32.1700	131.6489	26.5215	32.1367	58.6582	3,831.0696	92,134.5308	95,965.6004	16.1421	4.5331	97,720.0171

	ROG	NOx	CO	SO2	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	1/1/2029	2/27/2029	5	42	
2	Building Construction	Building Construction	2/28/2029	10/9/2030	5	421	
3	Paving	Paving	10/10/2030	11/18/2030	5	28	
4	Architectural Coating	Architectural Coating	2/28/2029	10/9/2030	5	421	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 57.1****Acres of Paving: 6.45****Residential Indoor: 1,006,425; Residential Outdoor: 335,475; Non-Residential Indoor: 225,420; Non-Residential Outdoor: 75,140; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	482.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Architectural Coating	4	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.4860	0.0000	13.4860	6.7761	0.0000	6.7761			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4860	3.2648	16.7508	6.7761	3.0037	9.7798		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1249	0.0630	1.2692	4.1100e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658
Total	0.1249	0.0630	1.2692	4.1100e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7652	0.0000	5.7652	2.8968	0.0000	2.8968			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	5.7652	3.2648	9.0301	2.8968	3.0037	5.9005	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

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	0.1249	0.0630	1.2692	4.1100e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658
Total	0.1249	0.0630	1.2692	4.1100e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658

3.3 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1456	4.3136	1.7652	0.0216	0.8838	0.0383	0.9221	0.2545	0.0366	0.2911		2,292.4213	2,292.4213	0.0317	0.3351	2,393.0838
Worker	1.2037	0.6077	12.2347	0.0396	5.3876	0.0176	5.4052	1.4288	0.0162	1.4450		4,005.7465	4,005.7465	0.0629	0.0799	4,031.1184
Total	1.3494	4.9212	13.9998	0.0612	6.2714	0.0559	6.3273	1.6833	0.0528	1.7361		6,298.1677	6,298.1677	0.0946	0.4150	6,424.2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1456	4.3136	1.7652	0.0216	0.8272	0.0383	0.8654	0.2406	0.0366	0.2772		2,292.4213	2,292.4213	0.0317	0.3351	2,393.0838
Worker	1.2037	0.6077	12.2347	0.0396	4.9661	0.0176	4.9837	1.3254	0.0162	1.3416		4,005.7465	4,005.7465	0.0629	0.0799	4,031.1184
Total	1.3494	4.9212	13.9998	0.0612	5.7932	0.0559	5.8491	1.5659	0.0528	1.6187		6,298.1677	6,298.1677	0.0946	0.4150	6,424.2022

3.3 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1449	4.2829	1.7595	0.0212	0.8838	0.0381	0.9219	0.2545	0.0364	0.2909		2,252.1807	2,252.1807	0.0326	0.3287	2,350.9478
Worker	1.1357	0.5648	11.7189	0.0388	5.3876	0.0164	5.4040	1.4288	0.0151	1.4439		3,919.5332	3,919.5332	0.0581	0.0770	3,943.9197
Total	1.2806	4.8477	13.4783	0.0600	6.2714	0.0545	6.3259	1.6833	0.0516	1.7348		6,171.7139	6,171.7139	0.0907	0.4057	6,294.8675

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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1449	4.2829	1.7595	0.0212	0.8272	0.0381	0.8652	0.2406	0.0364	0.2770		2,252.1807	2,252.1807	0.0326	0.3287	2,350.9478
Worker	1.1357	0.5648	11.7189	0.0388	4.9661	0.0164	4.9825	1.3254	0.0151	1.3405		3,919.5332	3,919.5332	0.0581	0.0770	3,943.9197
Total	1.2806	4.8477	13.4783	0.0600	5.7932	0.0545	5.8477	1.5659	0.0516	1.6175		6,171.7139	6,171.7139	0.0907	0.4057	6,294.8675

3.4 Paving - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0707	0.0352	0.7294	2.4100e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722
Total	0.0707	0.0352	0.7294	2.4100e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722

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	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0707	0.0352	0.7294	2.4100e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722
Total	0.0707	0.0352	0.7294	2.4100e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722

3.5 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.9104	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2398	0.1210	2.4368	7.8900e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		797.8250	797.8250	0.0125	0.0159	802.8784
Total	0.2398	0.1210	2.4368	7.8900e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		797.8250	797.8250	0.0125	0.0159	802.8784

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.9104	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2398	0.1210	2.4368	7.8900e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		797.8250	797.8250	0.0125	0.0159	802.8784
Total	0.2398	0.1210	2.4368	7.8900e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		797.8250	797.8250	0.0125	0.0159	802.8784

3.5 Architectural Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.7499	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2262	0.1125	2.3340	7.7200e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		780.6539	780.6539	0.0116	0.0153	785.5110
Total	0.2262	0.1125	2.3340	7.7200e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		780.6539	780.6539	0.0116	0.0153	785.5110

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.7499	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

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	0.2262	0.1125	2.3340	7.7200e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		780.6539	780.6539	0.0116	0.0153	785.5110
Total	0.2262	0.1125	2.3340	7.7200e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		780.6539	780.6539	0.0116	0.0153	785.5110

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	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Unmitigated	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,188.68	2,433.86	1877.72	7,446,941	7,446,941
City Park	2.61	6.57	7.34	11,086	11,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,038.40	1,049.40	940.50	3,505,949	3,505,949
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	19,276.59	30,182.56	27,842.67	35,834,934	35,834,934

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
NaturalGas Unmitigated	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - 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					
Apartments Low Rise	12390.8	0.1336	1.1419	0.4859	7.2900e-003		0.0923	0.0923		0.0923	0.0923		1,457.7428	1,457.7428	0.0279	0.0267	1,466.4055
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8524.83	0.0919	0.7856	0.3343	5.0100e-003		0.0635	0.0635		0.0635	0.0635		1,002.9213	1,002.9213	0.0192	0.0184	1,008.8812
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Mitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Unmitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.3 Construction****Riverside-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	299.00	Dwelling Unit	20.97	299,000.00	855
Single Family Housing	110.00	Dwelling Unit	22.79	198,000.00	315
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	57.10
tblLandUse	LotAcreage	18.69	20.97
tblLandUse	LotAcreage	35.71	22.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	13.8810	81.4342	75.2199	0.1885	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779
2030	13.5706	23.7663	51.6096	0.1310	7.3445	0.6623	7.7551	1.9679	0.6622	2.3752	0.0000	12,854.6541	12,854.6541	0.3600	0.4241	12,990.0361
Maximum	13.8810	81.4342	75.2199	0.1885	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	13.8810	81.4342	75.2199	0.1885	6.7823	3.2667	9.5471	3.0343	3.0053	6.0396	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779
2030	13.5706	23.7663	51.6096	0.1310	6.7823	0.6623	7.1929	1.8299	0.6622	2.2372	0.0000	12,854.6541	12,854.6541	0.3600	0.4241	12,990.0361
Maximum	13.8810	81.4342	75.2199	0.1885	6.7823	3.2667	9.5471	3.0343	3.0053	6.0396	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779

Green Vally SP Phase 2 - 2.3 Construction - 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	36.58	0.00	33.22	45.30	0.00	32.74	0.00	0.00	0.00	0.00	0.00	0.00

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	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764
Total	164.7516	61.4419	595.0714	1.2915	99.4790	32.1708	131.6498	26.5215	32.1375	58.6590	3,831.0696	86,516.2876	90,347.3572	16.3538	4.6303	92,136.0197

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764
Total	164.7516	61.4419	595.0714	1.2915	99.4790	32.1708	131.6498	26.5215	32.1375	58.6590	3,831.0696	86,516.2876	90,347.3572	16.3538	4.6303	92,136.0197

	ROG	NOx	CO	SO2	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	1/1/2029	2/27/2029	5	42	
2	Building Construction	Building Construction	2/28/2029	10/9/2030	5	421	
3	Paving	Paving	10/10/2030	11/18/2030	5	28	
4	Architectural Coating	Architectural Coating	2/28/2029	10/9/2030	5	421	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 57.1****Acres of Paving: 6.45****Residential Indoor: 1,006,425; Residential Outdoor: 335,475; Non-Residential Indoor: 225,420; Non-Residential Outdoor: 75,140; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	482.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Architectural Coating	4	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.4860	0.0000	13.4860	6.7761	0.0000	6.7761			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4860	3.2648	16.7508	6.7761	3.0037	9.7798		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1190	0.0653	1.0354	3.7300e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837
Total	0.1190	0.0653	1.0354	3.7300e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7652	0.0000	5.7652	2.8968	0.0000	2.8968			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	5.7652	3.2648	9.0301	2.8968	3.0037	5.9005	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1190	0.0653	1.0354	3.7300e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837
Total	0.1190	0.0653	1.0354	3.7300e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1344	4.5764	1.8275	0.0216	0.8838	0.0384	0.9222	0.2545	0.0367	0.2912		2,298.2734	2,298.2734	0.0312	0.3362	2,399.2513
Worker	1.1468	0.6292	9.9809	0.0359	5.3876	0.0176	5.4052	1.4288	0.0162	1.4450		3,633.2695	3,633.2695	0.0636	0.0816	3,659.1869
Total	1.2811	5.2056	11.8084	0.0576	6.2714	0.0560	6.3274	1.6833	0.0529	1.7362		5,931.5430	5,931.5430	0.0947	0.4179	6,058.4382

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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

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	0.1344	4.5764	1.8275	0.0216	0.8272	0.0384	0.8656	0.2406	0.0367	0.2773		2,298.2734	2,298.2734	0.0312	0.3362	2,399.2513
Worker	1.1468	0.6292	9.9809	0.0359	4.9661	0.0176	4.9837	1.3254	0.0162	1.3416		3,633.2695	3,633.2695	0.0636	0.0816	3,659.1869
Total	1.2811	5.2056	11.8084	0.0576	5.7932	0.0560	5.8492	1.5659	0.0529	1.6188		5,931.5430	5,931.5430	0.0947	0.4179	6,058.4382

3.3 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1337	4.5442	1.8219	0.0212	0.8838	0.0382	0.9220	0.2545	0.0366	0.2910		2,257.9430	2,257.9430	0.0321	0.3298	2,357.0196
Worker	1.0844	0.5846	9.5638	0.0352	5.3876	0.0164	5.4040	1.4288	0.0151	1.4439		3,555.2426	3,555.2426	0.0588	0.0787	3,580.1524
Total	1.2181	5.1288	11.3857	0.0564	6.2714	0.0546	6.3261	1.6833	0.0517	1.7349		5,813.1856	5,813.1856	0.0909	0.4084	5,937.1719

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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1337	4.5442	1.8219	0.0212	0.8272	0.0382	0.8654	0.2406	0.0366	0.2771		2,257.9430	2,257.9430	0.0321	0.3298	2,357.0196
Worker	1.0844	0.5846	9.5638	0.0352	4.9661	0.0164	4.9825	1.3254	0.0151	1.3405		3,555.2426	3,555.2426	0.0588	0.0787	3,580.1524
Total	1.2181	5.1288	11.3857	0.0564	5.7932	0.0546	5.8479	1.5659	0.0517	1.6176		5,813.1856	5,813.1856	0.0909	0.4084	5,937.1719

3.4 Paving - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0675	0.0364	0.5953	2.1900e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311
Total	0.0675	0.0364	0.5953	2.1900e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311

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	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0675	0.0364	0.5953	2.1900e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311
Total	0.0675	0.0364	0.5953	2.1900e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311

3.5 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.9104	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2284	0.1253	1.9879	7.1600e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		723.6387	723.6387	0.0127	0.0163	728.8007
Total	0.2284	0.1253	1.9879	7.1600e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		723.6387	723.6387	0.0127	0.0163	728.8007

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.9104	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2284	0.1253	1.9879	7.1600e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		723.6387	723.6387	0.0127	0.0163	728.8007
Total	0.2284	0.1253	1.9879	7.1600e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		723.6387	723.6387	0.0127	0.0163	728.8007

3.5 Architectural Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.7499	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2160	0.1164	1.9048	7.0100e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		708.0981	708.0981	0.0117	0.0157	713.0594
Total	0.2160	0.1164	1.9048	7.0100e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		708.0981	708.0981	0.0117	0.0157	713.0594

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.7499	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2160	0.1164	1.9048	7.0100e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		708.0981	708.0981	0.0117	0.0157	713.0594
Total	0.2160	0.1164	1.9048	7.0100e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		708.0981	708.0981	0.0117	0.0157	713.0594

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	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Unmitigated	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,188.68	2,433.86	1877.72	7,446,941	7,446,941
City Park	2.61	6.57	7.34	11,086	11,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,038.40	1,049.40	940.50	3,505,949	3,505,949
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	19,276.59	30,182.56	27,842.67	35,834,934	35,834,934

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
NaturalGas Unmitigated	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - 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					
Apartments Low Rise	12390.8	0.1336	1.1419	0.4859	7.2900e-003		0.0923	0.0923		0.0923	0.0923		1,457.7428	1,457.7428	0.0279	0.0267	1,466.4055
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8524.83	0.0919	0.7856	0.3343	5.0100e-003		0.0635	0.0635		0.0635	0.0635		1,002.9213	1,002.9213	0.0192	0.0184	1,008.8812
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Mitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Unmitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Green Vally SP Phase 2 - 2.4 Construction****Riverside-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	330.00	Dwelling Unit	23.15	330,000.00	944
Single Family Housing	77.00	Dwelling Unit	15.95	138,600.00	220
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2035
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

Trips and VMT -

Grading - Project grading

Architectural Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403, Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	67.40
tblLandUse	LotAcreage	20.63	23.15
tblLandUse	LotAcreage	25.00	15.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.3685	2.3793	4.6536	0.0139	0.9415	0.0558	0.9973	0.3182	0.0555	0.3737	0.0000	1,303.3321	1,303.3321	0.0380	0.0370	1,315.2936
2031	2.7401	3.5983	7.8930	0.0225	1.5216	0.0585	1.5801	0.4087	0.0578	0.4665	0.0000	2,084.7836	2,084.7836	0.0499	0.0854	2,111.4922
2032	0.5705	0.8864	1.9485	5.0700e-003	0.2961	0.0204	0.3165	0.0795	0.0203	0.0998	0.0000	466.6372	466.6372	0.0126	0.0161	471.7588
Maximum	2.7401	3.5983	7.8930	0.0225	1.5216	0.0585	1.5801	0.4087	0.0578	0.4665	0.0000	2,084.7836	2,084.7836	0.0499	0.0854	2,111.4922

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.3685	2.3793	4.6536	0.0139	0.7265	0.0558	0.7823	0.2242	0.0555	0.2797	0.0000	1,303.3313	1,303.3313	0.0380	0.0370	1,315.2927
2031	2.7401	3.5983	7.8929	0.0225	1.4057	0.0585	1.4642	0.3802	0.0578	0.4380	0.0000	2,084.7827	2,084.7827	0.0499	0.0854	2,111.4913
2032	0.5705	0.8864	1.9485	5.0700e-003	0.2736	0.0204	0.2940	0.0740	0.0203	0.0943	0.0000	466.6370	466.6370	0.0126	0.0161	471.7585
Maximum	2.7401	3.5983	7.8929	0.0225	1.4057	0.0585	1.4642	0.3802	0.0578	0.4380	0.0000	2,084.7827	2,084.7827	0.0499	0.0854	2,111.4913

	ROG	NOx	CO	SO2	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	12.81	0.00	12.21	15.87	0.00	13.61	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	6-2-2031	9-1-2031	1.5889	1.5889
2	9-2-2031	12-1-2031	1.5803	1.5803
3	12-2-2031	3-1-2032	1.5797	1.5797
4	3-2-2032	6-1-2032	0.4090	0.4090
		Highest	1.5889	1.5889

2.2 Overall Operational**Unmitigated Operational**

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449
Energy	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	2,973.7025	2,973.7025	0.1963	0.0372	2,989.7009
Mobile	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701
Waste						0.0000	0.0000		0.0000	0.0000	393.6583	0.0000	393.6583	23.2645	0.0000	975.2719
Water						0.0000	0.0000		0.0000	0.0000	20.3008	285.6898	305.9906	2.1092	0.0522	374.2630
Total	15.3322	11.6563	89.9015	0.1977	25.2811	0.5910	25.8721	6.7481	0.5835	7.3316	457.1903	21,913.2487	22,370.4390	26.6506	0.9807	23,328.9507

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

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	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449
Energy	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	2,973.7025	2,973.7025	0.1963	0.0372	2,989.7009
Mobile	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701
Waste						0.0000	0.0000		0.0000	0.0000	393.6583	0.0000	393.6583	23.2645	0.0000	975.2719
Water						0.0000	0.0000		0.0000	0.0000	20.3008	285.6898	305.9906	2.1092	0.0522	374.2630
Total	15.3322	11.6563	89.9015	0.1977	25.2811	0.5910	25.8721	6.7481	0.5835	7.3316	457.1903	21,913.2487	22,370.4390	26.6506	0.9807	23,328.9507

	ROG	NOx	CO	SO2	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	6/3/2030	7/30/2030	5	42	
2	Building Construction	Building Construction	7/31/2030	3/10/2032	5	421	
3	Architectural Coating	Architectural Coating	7/31/2030	3/10/2032	5	421	

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

4	Paving	Paving	3/11/2032	4/19/2032	5	28
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 67.4

Acres of Paving: 6.45

Residential Indoor: 948,915; Residential Outdoor: 316,305; Non-Residential Indoor: 1,205,520; Non-Residential Outdoor: 401,840; Striped Parking Area: 16,858 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	767.00	245.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	153.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2887	0.0000	0.2887	0.1429	0.0000	0.1429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2054	0.8574	1.2760	4.2400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	409.3821	409.3821	0.0166	0.0000	409.7959
Total	0.2054	0.8574	1.2760	4.2400e-003	0.2887	0.0309	0.3196	0.1429	0.0309	0.1738	0.0000	409.3821	409.3821	0.0166	0.0000	409.7959

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	3.0000e-005	3.1000e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392
Total	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	3.0000e-005	3.1000e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392

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					0.1234	0.0000	0.1234	0.0611	0.0000	0.0611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2054	0.8574	1.2760	4.2400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	409.3816	409.3816	0.0166	0.0000	409.7954
Total	0.2054	0.8574	1.2760	4.2400e-003	0.1234	0.0309	0.1543	0.0611	0.0309	0.0920	0.0000	409.3816	409.3816	0.0166	0.0000	409.7954

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	3.0000e-005	2.8800e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392
Total	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	3.0000e-005	2.8800e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392

3.3 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	0.1313	0.8303	1.7121	3.0600e-003		0.0149	0.0149		0.0149	0.0149	0.0000	259.8330	259.8330	0.0106	0.0000	260.0972
Total	0.1313	0.8303	1.7121	3.0600e-003		0.0149	0.0149		0.0149	0.0149	0.0000	259.8330	259.8330	0.0106	0.0000	260.0972

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0136	0.4387	0.1746	2.0700e-003	0.0851	3.7200e-003	0.0888	0.0246	3.5600e-003	0.0281	0.0000	199.7174	199.7174	2.8700e-003	0.0292	208.4798
Worker	0.0895	0.0527	0.8948	3.1500e-003	0.4637	1.4600e-003	0.4651	0.1231	1.3400e-003	0.1245	0.0000	308.9169	308.9169	4.6800e-003	6.3600e-003	310.9294
Total	0.1031	0.4914	1.0693	5.2200e-003	0.5488	5.1800e-003	0.5540	0.1477	4.9000e-003	0.1526	0.0000	508.6342	508.6342	7.5500e-003	0.0355	519.4093

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	0.1313	0.8303	1.7121	3.0600e-003		0.0149	0.0149		0.0149	0.0149	0.0000	259.8326	259.8326	0.0106	0.0000	260.0969
Total	0.1313	0.8303	1.7121	3.0600e-003		0.0149	0.0149		0.0149	0.0149	0.0000	259.8326	259.8326	0.0106	0.0000	260.0969

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0136	0.4387	0.1746	2.0700e-003	0.0797	3.7200e-003	0.0834	0.0232	3.5600e-003	0.0268	0.0000	199.7174	199.7174	2.8700e-003	0.0292	208.4798
Worker	0.0895	0.0527	0.8948	3.1500e-003	0.4275	1.4600e-003	0.4289	0.1142	1.3400e-003	0.1156	0.0000	308.9169	308.9169	4.6800e-003	6.3600e-003	310.9294
Total	0.1031	0.4914	1.0693	5.2200e-003	0.5072	5.1800e-003	0.5124	0.1375	4.9000e-003	0.1424	0.0000	508.6342	508.6342	7.5500e-003	0.0355	519.4093

3.3 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	0.3115	1.9700	4.0622	7.2700e-003		0.0354	0.0354		0.0354	0.0354	0.0000	616.5127	616.5127	0.0251	0.0000	617.1396
Total	0.3115	1.9700	4.0622	7.2700e-003		0.0354	0.0354		0.0354	0.0354	0.0000	616.5127	616.5127	0.0251	0.0000	617.1396

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0321	1.0412	0.4146	4.8300e-003	0.2020	8.5200e-003	0.2105	0.0583	8.1500e-003	0.0664	0.0000	465.7345	465.7345	6.9800e-003	0.0679	486.1451
Worker	0.2005	0.1168	2.0656	7.3400e-003	1.1002	3.2800e-003	1.1034	0.2921	3.0200e-003	0.2952	0.0000	724.6954	724.6954	0.0104	0.0146	729.3110
Total	0.2326	1.1580	2.4803	0.0122	1.3021	0.0118	1.3139	0.3504	0.0112	0.3616	0.0000	1,190.4299	1,190.4299	0.0173	0.0825	1,215.4561

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	0.3115	1.9700	4.0622	7.2700e-003		0.0354	0.0354		0.0354	0.0354	0.0000	616.5120	616.5120	0.0251	0.0000	617.1389
Total	0.3115	1.9700	4.0622	7.2700e-003		0.0354	0.0354		0.0354	0.0354	0.0000	616.5120	616.5120	0.0251	0.0000	617.1389

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0321	1.0412	0.4146	4.8300e-003	0.1891	8.5200e-003	0.1976	0.0551	8.1500e-003	0.0633	0.0000	465.7345	465.7345	6.9800e-003	0.0679	486.1451
Worker	0.2005	0.1168	2.0656	7.3400e-003	1.0143	3.2800e-003	1.0176	0.2711	3.0200e-003	0.2741	0.0000	724.6954	724.6954	0.0104	0.0146	729.3110
Total	0.2326	1.1580	2.4803	0.0122	1.2034	0.0118	1.2152	0.3262	0.0112	0.3373	0.0000	1,190.4299	1,190.4299	0.0173	0.0825	1,215.4561

3.3 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	0.0597	0.3774	0.7782	1.3900e-003		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003	0.0000	118.1059	118.1059	4.8000e-003	0.0000	118.2260
Total	0.0597	0.3774	0.7782	1.3900e-003		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003	0.0000	118.1059	118.1059	4.8000e-003	0.0000	118.2260

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.1500e-003	0.1983	0.0795	9.1000e-004	0.0387	1.6300e-003	0.0403	0.0112	1.5500e-003	0.0127	0.0000	87.9235	87.9235	1.3700e-003	0.0128	91.7730
Worker	0.0364	0.0210	0.3825	1.3800e-003	0.2108	5.9000e-004	0.2114	0.0560	5.4000e-004	0.0565	0.0000	137.2189	137.2189	1.8500e-003	2.7200e-003	138.0762
Total	0.0425	0.2194	0.4620	2.2900e-003	0.2495	2.2200e-003	0.2517	0.0671	2.0900e-003	0.0692	0.0000	225.1424	225.1424	3.2200e-003	0.0155	229.8491

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	0.0597	0.3774	0.7782	1.3900e-003		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003	0.0000	118.1058	118.1058	4.8000e-003	0.0000	118.2258
Total	0.0597	0.3774	0.7782	1.3900e-003		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003	0.0000	118.1058	118.1058	4.8000e-003	0.0000	118.2258

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.1500e-003	0.1983	0.0795	9.1000e-004	0.0362	1.6300e-003	0.0379	0.0106	1.5500e-003	0.0121	0.0000	87.9235	87.9235	1.3700e-003	0.0128	91.7730
Worker	0.0364	0.0210	0.3825	1.3800e-003	0.1943	5.9000e-004	0.1949	0.0519	5.4000e-004	0.0525	0.0000	137.2189	137.2189	1.8500e-003	2.7200e-003	138.0762
Total	0.0425	0.2194	0.4620	2.2900e-003	0.2305	2.2200e-003	0.2328	0.0625	2.0900e-003	0.0646	0.0000	225.1424	225.1424	3.2200e-003	0.0155	229.8491

3.4 Architectural Coating - 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					
Archit. Coating	0.8799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.1884	0.3955	6.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	56.1716	56.1716	2.2700e-003	0.0000	56.2284
Total	0.9087	0.1884	0.3955	6.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	56.1716	56.1716	2.2700e-003	0.0000	56.2284

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0179	0.0105	0.1785	6.3000e-004	0.0925	2.9000e-004	0.0928	0.0246	2.7000e-004	0.0248	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237
Total	0.0179	0.0105	0.1785	6.3000e-004	0.0925	2.9000e-004	0.0928	0.0246	2.7000e-004	0.0248	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237

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	0.8799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.1884	0.3955	6.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	56.1715	56.1715	2.2700e-003	0.0000	56.2284
Total	0.9087	0.1884	0.3955	6.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	56.1715	56.1715	2.2700e-003	0.0000	56.2284

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0179	0.0105	0.1785	6.3000e-004	0.0853	2.9000e-004	0.0856	0.0228	2.7000e-004	0.0231	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237
Total	0.0179	0.0105	0.1785	6.3000e-004	0.0853	2.9000e-004	0.0856	0.0228	2.7000e-004	0.0231	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237

3.4 Architectural Coating - 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					
Archit. Coating	2.0878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0683	0.4470	0.9384	1.5500e-003		0.0106	0.0106		0.0106	0.0106	0.0000	133.2799	133.2799	5.3900e-003	0.0000	133.4147
Total	2.1561	0.4470	0.9384	1.5500e-003		0.0106	0.0106		0.0106	0.0106	0.0000	133.2799	133.2799	5.3900e-003	0.0000	133.4147

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0400	0.0233	0.4121	1.4600e-003	0.2195	6.5000e-004	0.2201	0.0583	6.0000e-004	0.0589	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819
Total	0.0400	0.0233	0.4121	1.4600e-003	0.2195	6.5000e-004	0.2201	0.0583	6.0000e-004	0.0589	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819

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	2.0878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0683	0.4470	0.9384	1.5500e-003		0.0106	0.0106		0.0106	0.0106	0.0000	133.2797	133.2797	5.3900e-003	0.0000	133.4145
Total	2.1561	0.4470	0.9384	1.5500e-003		0.0106	0.0106		0.0106	0.0106	0.0000	133.2797	133.2797	5.3900e-003	0.0000	133.4145

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0400	0.0233	0.4121	1.4600e-003	0.2023	6.5000e-004	0.2030	0.0541	6.0000e-004	0.0547	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819
Total	0.0400	0.0233	0.4121	1.4600e-003	0.2023	6.5000e-004	0.2030	0.0541	6.0000e-004	0.0547	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819

3.4 Architectural Coating - 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					
Archit. Coating	0.4000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0856	0.1798	3.0000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5584
Total	0.4130	0.0856	0.1798	3.0000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5584

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0420	1.2000e-004	0.0422	0.0112	1.1000e-004	0.0113	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432
Total	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0420	1.2000e-004	0.0422	0.0112	1.1000e-004	0.0113	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432

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	0.4000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0856	0.1798	3.0000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5583
Total	0.4130	0.0856	0.1798	3.0000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5583

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0388	1.2000e-004	0.0389	0.0104	1.1000e-004	0.0105	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432
Total	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0388	1.2000e-004	0.0389	0.0104	1.1000e-004	0.0105	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432

3.5 Paving - 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	0.0388	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0472	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244
Total	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244

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	0.0388	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0472	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244
Total	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244

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	tons/yr										MT/yr					
Mitigated	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701

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

Unmitigated	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,415.60	2,686.20	2072.40	8,219,031	8,219,031
City Park	2.61	6.57	7.34	11,086	11,086
Elementary School	12,754.37	0.00	0.00	31,397,463	31,397,463
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	726.88	734.58	658.35	2,454,164	2,454,164
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	31,946.36	30,120.08	27,755.20	66,952,703	66,952,703

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
City Park	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Elementary School	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Other Asphalt Surfaces	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Single Family Housing	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Supermarket	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,134.6875	2,134.6875	0.1802	0.0218	2,145.7000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,134.6875	2,134.6875	0.1802	0.0218	2,145.7000
NaturalGas Mitigated	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008
NaturalGas Unmitigated	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.99155e+006	0.0269	0.2300	0.0979	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.3681	266.3681	5.1100e-003	4.8800e-003	267.9510
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
Elementary School	5.67805e+006	0.0306	0.2783	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.0022	303.0022	5.8100e-003	5.5600e-003	304.8028
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.17809e+006	0.0117	0.1004	0.0427	6.4000e-004		8.1100e-003	8.1100e-003		8.1100e-003	8.1100e-003	0.0000	116.2314	116.2314	2.2300e-003	2.1300e-003	116.9221
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0848	0.7496	0.4928	4.6300e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.99155e+006	0.0269	0.2300	0.0979	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.3681	266.3681	5.1100e-003	4.8800e-003	267.9510
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
Elementary School	5.67805e+006	0.0306	0.2783	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.0022	303.0022	5.8100e-003	5.5600e-003	304.8028
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.17809e+006	0.0117	0.1004	0.0427	6.4000e-004		8.1100e-003	8.1100e-003		8.1100e-003	8.1100e-003	0.0000	116.2314	116.2314	2.2300e-003	2.1300e-003	116.9221
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0848	0.7496	0.4928	4.6300e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.37608e+006		244.0423	0.0206	2.5000e-003	245.3013
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	4.58033e+006		812.3018	0.0686	8.3100e-003	816.4924
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	613279		108.7623	9.1800e-003	1.1100e-003	109.3234
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			2,134.6875	0.1802	0.0218	2,145.7000

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

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.37608e+006		244.0423	0.0206	2.5000e-003	245.3013
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	4.58033e+006		812.3018	0.0686	8.3100e-003	816.4924
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	613279		108.7623	9.1800e-003	1.1100e-003	109.3234
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			2,134.6875	0.1802	0.0218	2,145.7000

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

Category	tons/yr										MT/yr					
	Mitigated	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003
Unmitigated	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449

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	0.5230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3331	0.1056	2.5873	6.6000e-003		0.3886	0.3886		0.3886	0.3886	43.2312	83.0754	126.3066	0.1289	2.9300e-003	130.4041
Landscaping	0.1260	0.0484	4.1928	2.2000e-004		0.0233	0.0233		0.0233	0.0233	0.0000	6.8763	6.8763	6.5800e-003	0.0000	7.0408
Total	6.5991	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449

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

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	0.5230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3331	0.1056	2.5873	6.6000e-003		0.3886	0.3886		0.3886	0.3886	43.2312	83.0754	126.3066	0.1289	2.9300e-003	130.4041
Landscaping	0.1260	0.0484	4.1928	2.2000e-004		0.0233	0.0233		0.0233	0.0233	0.0000	6.8763	6.8763	6.5800e-003	0.0000	7.0408
Total	6.5991	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	305.9906	2.1092	0.0522	374.2630	

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

Unmitigated		305.9906	2.1092	0.0522	374.2630
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	21.5008 / 13.5549		83.1786	0.7071	0.0173	106.0174
City Park	0 / 3.99146		7.8644	6.6000e- 004	8.0000e- 005	7.9050
Elementary School	18.9466 / 48.7198		145.7557	0.6292	0.0160	166.2551
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.01686 / 3.1628		19.4083	0.1650	4.0400e- 003	24.7374
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			305.9906	2.1092	0.0522	374.2630

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

Mitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	21.5008 / 13.5549		83.1786	0.7071	0.0173	106.0174
City Park	0 / 3.99146		7.8644	6.6000e-004	8.0000e-005	7.9050
Elementary School	18.9466 / 48.7198		145.7557	0.6292	0.0160	166.2551
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.01686 / 3.1628		19.4083	0.1650	4.0400e-003	24.7374
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			305.9906	2.1092	0.0522	374.2630

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	tons/yr	MT/yr			
Mitigated		393.6583	23.2645	0.0000	975.2719
Unmitigated		393.6583	23.2645	0.0000	975.2719

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	151.8		30.8140	1.8211	0.0000	76.3405
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Elementary School	849.42		172.4246	10.1900	0.0000	427.1746
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	90.2		18.3098	1.0821	0.0000	45.3617
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			393.6583	23.2646	0.0000	975.2719

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	151.8		30.8140	1.8211	0.0000	76.3405
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Elementary School	849.42		172.4246	10.1900	0.0000	427.1746
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	90.2		18.3098	1.0821	0.0000	45.3617
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			393.6583	23.2646	0.0000	975.2719

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

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

Equipment Type	Number
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11.0 Vegetation

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Green Vally SP Phase 2 - 2.4 Construction****Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	330.00	Dwelling Unit	23.15	330,000.00	944
Single Family Housing	77.00	Dwelling Unit	15.95	138,600.00	220
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2035
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Trips and VMT -

Grading - Project grading

Architectural Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403, Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	67.40
tblLandUse	LotAcreage	20.63	23.15
tblLandUse	LotAcreage	25.00	15.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	21.3434	40.8873	64.1593	0.2060	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020
2031	21.2188	27.1384	63.5648	0.1773	11.8525	0.4480	12.3005	3.1790	0.4428	3.6218	0.0000	18,176.6546	18,176.6546	0.4202	0.7150	18,400.2266
2032	21.1060	27.0347	62.8273	0.1755	11.8525	0.6622	12.2984	3.1790	0.6621	3.6198	0.0000	18,027.6018	18,027.6018	0.4144	0.7019	18,247.1339
Maximum	21.3434	40.8873	64.1593	0.2060	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	21.3434	40.8873	64.1593	0.2060	10.9473	1.4747	11.3994	3.0463	1.4746	4.5208	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020
2031	21.2188	27.1384	63.5648	0.1773	10.9473	0.4480	11.3953	2.9568	0.4428	3.3996	0.0000	18,176.6546	18,176.6546	0.4202	0.7150	18,400.2266
2032	21.1060	27.0347	62.8273	0.1755	10.9473	0.6622	11.3932	2.9568	0.6621	3.3976	0.0000	18,027.6018	18,027.6018	0.4144	0.7019	18,247.1339
Maximum	21.3434	40.8873	64.1593	0.2060	10.9473	1.4747	11.3994	3.0463	1.4746	4.5208	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020

	ROG	NOx	CO	SO2	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	13.60	0.00	15.33	32.69	0.00	27.77	0.00	0.00	0.00	0.00	0.00	0.00

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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516
Total	214.6125	88.6924	905.4249	2.0283	191.7300	32.4984	224.2283	51.1091	32.4423	83.5515	3,812.3358	174,431.0396	178,243.3754	19.1215	7.5027	180,957.2308

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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618
Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516
Total	214.6125	88.6924	905.4249	2.0283	191.7300	32.4984	224.2283	51.1091	32.4423	83.5515	3,812.3358	174,431.0396	178,243.3754	19.1215	7.5027	180,957.2308

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/3/2030	7/30/2030	5	42	
2	Building Construction	Building Construction	7/31/2030	3/10/2032	5	421	
3	Architectural Coating	Architectural Coating	7/31/2030	3/10/2032	5	421	
4	Paving	Paving	3/11/2032	4/19/2032	5	28	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 67.4****Acres of Paving: 6.45****Residential Indoor: 948,915; Residential Outdoor: 316,305; Non-Residential Indoor: 1,205,520; Non-Residential Outdoor: 401,840; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Category	lb/day										lb/day				
	Fugitive Dust					13.7460	0.0000	13.7460	6.8042	0.0000	6.8042			0.0000	
Off-Road	9.7801	40.8284	60.7622	0.2020		1.4730	1.4730		1.4730	1.4730		21,488.8792	21,488.8792	0.8689	21,510.6007
Total	9.7801	40.8284	60.7622	0.2020	13.7460	1.4730	15.2190	6.8042	1.4730	8.2772		21,488.8792	21,488.8792	0.8689	21,510.6007

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	0.1184	0.0589	1.2346	4.0200e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013
Total	0.1184	0.0589	1.2346	4.0200e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8764	0.0000	5.8764	2.9088	0.0000	2.9088			0.0000			0.0000
Off-Road	9.7801	40.8284	60.7622	0.2020		1.4730	1.4730		1.4730	1.4730	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007
Total	9.7801	40.8284	60.7622	0.2020	5.8764	1.4730	7.3494	2.9088	1.4730	4.3818	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007

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	0.1184	0.0589	1.2346	4.0200e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013
Total	0.1184	0.0589	1.2346	4.0200e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Building Construction - 2030****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2572	7.6037	3.1237	0.0376	1.5691	0.0676	1.6367	0.4518	0.0647	0.5165		3,998.4367	3,998.4367	0.0578	0.5836	4,173.7841
Worker	1.8159	0.9029	18.9386	0.0617	8.5733	0.0265	8.5997	2.2737	0.0244	2.2980		6,672.4649	6,672.4649	0.0925	0.1225	6,711.2706
Total	2.0731	8.5066	22.0623	0.0993	10.1423	0.0941	10.2364	2.7254	0.0891	2.8145		10,670.9016	10,670.9016	0.1503	0.7060	10,885.0548

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2572	7.6037	3.1237	0.0376	1.4685	0.0676	1.5361	0.4271	0.0647	0.4918		3,998.4367	3,998.4367	0.0578	0.5836	4,173.7841
Worker	1.8159	0.9029	18.9386	0.0617	7.9025	0.0265	7.9289	2.1090	0.0244	2.1334		6,672.4649	6,672.4649	0.0925	0.1225	6,711.2706
Total	2.0731	8.5066	22.0623	0.0993	9.3709	0.0941	9.4651	2.5361	0.0891	2.6252		10,670.9016	10,670.9016	0.1503	0.7060	10,885.0548

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Building Construction - 2031****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2561	7.6051	3.1268	0.0370	1.5691	0.0652	1.6343	0.4518	0.0624	0.5141		3,929.7341	3,929.7341	0.0593	0.5727	4,101.8735
Worker	1.7129	0.8439	18.4404	0.0606	8.5733	0.0251	8.5984	2.2737	0.0231	2.2968		6,597.4923	6,597.4923	0.0863	0.1187	6,635.0071
Total	1.9690	8.4490	21.5672	0.0976	10.1423	0.0903	10.2326	2.7254	0.0855	2.8109		10,527.2264	10,527.2264	0.1456	0.6913	10,736.8806

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2561	7.6051	3.1268	0.0370	1.4685	0.0652	1.5337	0.4271	0.0624	0.4895		3,929.7341	3,929.7341	0.0593	0.5727	4,101.8735
Worker	1.7129	0.8439	18.4404	0.0606	7.9025	0.0251	7.9276	2.1090	0.0231	2.1322		6,597.4923	6,597.4923	0.0863	0.1187	6,635.0071
Total	1.9690	8.4490	21.5672	0.0976	9.3709	0.0903	9.4613	2.5361	0.0855	2.6216		10,527.2264	10,527.2264	0.1456	0.6913	10,736.8806

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Building Construction - 2032****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2560	7.5620	3.1291	0.0364	1.5690	0.0649	1.6340	0.4518	0.0621	0.5139		3,872.5676	3,872.5676	0.0606	0.5636	4,042.0375
Worker	1.6190	0.7934	17.8236	0.0596	8.5733	0.0236	8.5968	2.2737	0.0217	2.2954		6,520.8871	6,520.8871	0.0804	0.1153	6,557.2594
Total	1.8750	8.3554	20.9527	0.0960	10.1423	0.0885	10.2308	2.7254	0.0838	2.8092		10,393.4547	10,393.4547	0.1410	0.6789	10,599.2969

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2560	7.5620	3.1291	0.0364	1.4685	0.0649	1.5334	0.4271	0.0621	0.4892		3,872.5676	3,872.5676	0.0606	0.5636	4,042.0375
Worker	1.6190	0.7934	17.8236	0.0596	7.9025	0.0236	7.9260	2.1090	0.0217	2.1307		6,520.8871	6,520.8871	0.0804	0.1153	6,557.2594
Total	1.8750	8.3554	20.9527	0.0960	9.3709	0.0885	9.4594	2.5361	0.0838	2.6199		10,393.4547	10,393.4547	0.1410	0.6789	10,599.2969

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Architectural Coating - 2030****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3622	0.1801	3.7778	0.0123	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541
Total	0.3622	0.1801	3.7778	0.0123	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3622	0.1801	3.7778	0.0123	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541
Total	0.3622	0.1801	3.7778	0.0123	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Architectural Coating - 2031****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3417	0.1683	3.6785	0.0121	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412
Total	0.3417	0.1683	3.6785	0.0121	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3417	0.1683	3.6785	0.0121	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412
Total	0.3417	0.1683	3.6785	0.0121	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Architectural Coating - 2032****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3230	0.1583	3.5554	0.0119	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322
Total	0.3230	0.1583	3.5554	0.0119	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3230	0.1583	3.5554	0.0119	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322
Total	0.3230	0.1583	3.5554	0.0119	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2032****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

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	0.0633	0.0310	0.6971	2.3300e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769
Total	0.0633	0.0310	0.6971	2.3300e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

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	0.0633	0.0310	0.6971	2.3300e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769
Total	0.0633	0.0310	0.6971	2.3300e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516
Unmitigated	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,415.60	2,686.20	2072.40	8,219,031	8,219,031
City Park	2.61	6.57	7.34	11,086	11,086
Elementary School	12,754.37	0.00	0.00	31,397,463	31,397,463
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	726.88	734.58	658.35	2,454,164	2,454,164
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	31,946.36	30,120.08	27,755.20	66,952,703	66,952,703

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
City Park	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Elementary School	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Other Asphalt Surfaces	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Single Family Housing	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Supermarket	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280

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	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

NaturalGas Unmitigated	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13675.5	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15556.3	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5967.38	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13.6755	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15.5563	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.96738	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7.87632	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

6.0 Area Detail**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
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Category	lb/day										lb/day					
	Mitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588
Unmitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - 2.4 Construction

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	330.00	Dwelling Unit	23.15	330,000.00	944
Single Family Housing	77.00	Dwelling Unit	15.95	138,600.00	220
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2035
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Trips and VMT -

Grading - Project grading

Architectural Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403, Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	67.40
tblLandUse	LotAcreage	20.63	23.15
tblLandUse	LotAcreage	25.00	15.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	21.2251	40.8893	61.7697	0.2057	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,883.4086	21,883.4086	0.8750	0.7356	21,907.7140
2031	21.1100	27.6393	59.5862	0.1706	11.8525	0.4482	12.3007	3.1790	0.4430	3.6220	0.0000	17,449.7033	17,449.7033	0.4205	0.7200	17,674.7722
2032	21.0064	27.5316	58.9901	0.1689	11.8525	0.6622	12.2986	3.1790	0.6621	3.6200	0.0000	17,309.1566	17,309.1566	0.4148	0.7068	17,530.1480
Maximum	21.2251	40.8893	61.7697	0.2057	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,883.4086	21,883.4086	0.8750	0.7356	21,907.7140

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	21.2251	40.8893	61.7697	0.2057	10.9473	1.4747	11.3996	3.0463	1.4746	4.5208	0.0000	21,883.4085	21,883.4085	0.8750	0.7356	21,907.7140
2031	21.1100	27.6393	59.5862	0.1706	10.9473	0.4482	11.3955	2.9568	0.4430	3.3998	0.0000	17,449.7033	17,449.7033	0.4205	0.7200	17,674.7722
2032	21.0064	27.5316	58.9901	0.1689	10.9473	0.6622	11.3934	2.9568	0.6621	3.3978	0.0000	17,309.1566	17,309.1566	0.4148	0.7068	17,530.1480
Maximum	21.2251	40.8893	61.7697	0.2057	10.9473	1.4747	11.3996	3.0463	1.4746	4.5208	0.0000	21,883.4085	21,883.4085	0.8750	0.7356	21,907.7140

	ROG	NOx	CO	SO2	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	13.60	0.00	15.33	32.69	0.00	27.77	0.00	0.00	0.00	0.00	0.00	0.00

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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088
Total	200.3187	93.8426	846.7746	1.9236	191.7300	32.4995	224.2294	51.1091	32.4434	83.5525	3,812.3358	162,780.9956	166,593.3314	19.3730	7.6649	169,361.7879

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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618
Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088
Total	200.3187	93.8426	846.7746	1.9236	191.7300	32.4995	224.2294	51.1091	32.4434	83.5525	3,812.3358	162,780.9956	166,593.3314	19.3730	7.6649	169,361.7879

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/3/2030	7/30/2030	5	42	
2	Building Construction	Building Construction	7/31/2030	3/10/2032	5	421	
3	Architectural Coating	Architectural Coating	7/31/2030	3/10/2032	5	421	
4	Paving	Paving	3/11/2032	4/19/2032	5	28	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 67.4****Acres of Paving: 6.45****Residential Indoor: 948,915; Residential Outdoor: 316,305; Non-Residential Indoor: 1,205,520; Non-Residential Outdoor: 401,840; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Category	lb/day										lb/day				
	Fugitive Dust					13.7460	0.0000	13.7460	6.8042	0.0000	6.8042			0.0000	
Off-Road	9.7801	40.8284	60.7622	0.2020		1.4730	1.4730		1.4730	1.4730		21,488.8792	21,488.8792	0.8689	21,510.6007
Total	9.7801	40.8284	60.7622	0.2020	13.7460	1.4730	15.2190	6.8042	1.4730	8.2772		21,488.8792	21,488.8792	0.8689	21,510.6007

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	0.1130	0.0609	1.0076	3.6500e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133
Total	0.1130	0.0609	1.0076	3.6500e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8764	0.0000	5.8764	2.9088	0.0000	2.9088			0.0000			0.0000
Off-Road	9.7801	40.8284	60.7622	0.2020		1.4730	1.4730		1.4730	1.4730	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007
Total	9.7801	40.8284	60.7622	0.2020	5.8764	1.4730	7.3494	2.9088	1.4730	4.3818	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007

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	0.1130	0.0609	1.0076	3.6500e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133
Total	0.1130	0.0609	1.0076	3.6500e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Building Construction - 2030****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2373	8.0676	3.2345	0.0377	1.5691	0.0678	1.6369	0.4518	0.0649	0.5167		4,008.6669	4,008.6669	0.0569	0.5855	4,184.5637
Worker	1.7339	0.9346	15.4557	0.0560	8.5733	0.0265	8.5997	2.2737	0.0244	2.2980		6,052.0798	6,052.0798	0.0936	0.1252	6,091.7184
Total	1.9711	9.0023	18.6902	0.0937	10.1423	0.0943	10.2366	2.7254	0.0893	2.8147		10,060.7467	10,060.7467	0.1505	0.7106	10,276.2822

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2373	8.0676	3.2345	0.0377	1.4685	0.0678	1.5363	0.4271	0.0649	0.4920		4,008.6669	4,008.6669	0.0569	0.5855	4,184.5637
Worker	1.7339	0.9346	15.4557	0.0560	7.9025	0.0265	7.9289	2.1090	0.0244	2.1334		6,052.0798	6,052.0798	0.0936	0.1252	6,091.7184
Total	1.9711	9.0023	18.6902	0.0937	9.3709	0.0943	9.4653	2.5361	0.0893	2.6254		10,060.7467	10,060.7467	0.1505	0.7106	10,276.2822

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Building Construction - 2031****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2362	8.0711	3.2379	0.0371	1.5691	0.0654	1.6345	0.4518	0.0626	0.5143		3,939.8266	3,939.8266	0.0584	0.5746	4,112.5070
Worker	1.6388	0.8730	15.0308	0.0550	8.5733	0.0251	8.5984	2.2737	0.0231	2.2968		5,983.0220	5,983.0220	0.0874	0.1212	6,021.3339
Total	1.8750	8.9440	18.2687	0.0920	10.1423	0.0905	10.2328	2.7254	0.0857	2.8111		9,922.8487	9,922.8487	0.1457	0.6958	10,133.8409

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2362	8.0711	3.2379	0.0371	1.4685	0.0654	1.5339	0.4271	0.0626	0.4896		3,939.8266	3,939.8266	0.0584	0.5746	4,112.5070
Worker	1.6388	0.8730	15.0308	0.0550	7.9025	0.0251	7.9276	2.1090	0.0231	2.1322		5,983.0220	5,983.0220	0.0874	0.1212	6,021.3339
Total	1.8750	8.9440	18.2687	0.0920	9.3709	0.0905	9.4615	2.5361	0.0857	2.6218		9,922.8487	9,922.8487	0.1457	0.6958	10,133.8409

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Building Construction - 2032****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2360	8.0265	3.2407	0.0365	1.5690	0.0651	1.6342	0.4518	0.0623	0.5141		3,882.5416	3,882.5416	0.0597	0.5655	4,052.5453
Worker	1.5526	0.8204	14.5315	0.0540	8.5733	0.0236	8.5968	2.2737	0.0217	2.2954		5,913.6071	5,913.6071	0.0815	0.1178	5,950.7511
Total	1.7886	8.8468	17.7722	0.0905	10.1423	0.0887	10.2310	2.7254	0.0840	2.8094		9,796.1488	9,796.1488	0.1412	0.6833	10,003.2964

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

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	0.2360	8.0265	3.2407	0.0365	1.4685	0.0651	1.5336	0.4271	0.0623	0.4894		3,882.5416	3,882.5416	0.0597	0.5655	4,052.5453
Worker	1.5526	0.8204	14.5315	0.0540	7.9025	0.0236	7.9260	2.1090	0.0217	2.1307		5,913.6071	5,913.6071	0.0815	0.1178	5,950.7511
Total	1.7886	8.8468	17.7722	0.0905	9.3709	0.0887	9.4596	2.5361	0.0840	2.6201		9,796.1488	9,796.1488	0.1412	0.6833	10,003.2964

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

3.4 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3459	0.1864	3.0831	0.0112	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668
Total	0.3459	0.1864	3.0831	0.0112	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3459	0.1864	3.0831	0.0112	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668
Total	0.3459	0.1864	3.0831	0.0112	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Architectural Coating - 2031****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3269	0.1741	2.9983	0.0110	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266
Total	0.3269	0.1741	2.9983	0.0110	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3269	0.1741	2.9983	0.0110	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266
Total	0.3269	0.1741	2.9983	0.0110	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Architectural Coating - 2032****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3097	0.1637	2.8987	0.0108	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468
Total	0.3097	0.1637	2.8987	0.0108	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

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	0.3097	0.1637	2.8987	0.0108	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468
Total	0.3097	0.1637	2.8987	0.0108	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2032****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

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	0.0607	0.0321	0.5684	2.1100e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543
Total	0.0607	0.0321	0.5684	2.1100e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

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	0.0607	0.0321	0.5684	2.1100e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543
Total	0.0607	0.0321	0.5684	2.1100e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088
Unmitigated	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,415.60	2,686.20	2072.40	8,219,031	8,219,031
City Park	2.61	6.57	7.34	11,086	11,086
Elementary School	12,754.37	0.00	0.00	31,397,463	31,397,463
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	726.88	734.58	658.35	2,454,164	2,454,164
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	31,946.36	30,120.08	27,755.20	66,952,703	66,952,703

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
City Park	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Elementary School	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Other Asphalt Surfaces	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Single Family Housing	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Supermarket	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280

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	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

NaturalGas Unmitigated	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13675.5	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15556.3	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5967.38	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13.6755	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15.5563	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.96738	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7.87632	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

6.0 Area Detail

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
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Category	lb/day										lb/day					
	Mitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588
Unmitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.1 Construction Mitigated****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	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	260.00	Dwelling Unit	18.24	260,000.00	744
Single Family Housing	145.00	Dwelling Unit	30.04	261,000.00	415

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Area Coating -

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	54.70
tblLandUse	LotAcreage	16.25	18.24
tblLandUse	LotAcreage	47.08	30.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

Green Vally SP Phase 2 - 2.1 Construction - 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
Year	tons/yr										MT/yr					
2026	1.5286	5.0489	7.0597	0.0161	0.8702	0.1987	1.0688	0.2998	0.1871	0.4868	0.0000	1,430.6914	1,430.6914	0.2293	0.0316	1,445.8298
2027	1.2712	3.3104	5.4041	0.0117	0.5365	0.1316	0.6681	0.1438	0.1250	0.2688	0.0000	1,044.8827	1,044.8827	0.1273	0.0282	1,056.4543
Maximum	1.5286	5.0489	7.0597	0.0161	0.8702	0.1987	1.0688	0.2998	0.1871	0.4868	0.0000	1,430.6914	1,430.6914	0.2293	0.0316	1,445.8298

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					
2026	1.1702	1.2080	7.7246	0.0161	0.6637	0.0293	0.6931	0.2073	0.0290	0.2364	0.0000	1,430.6903	1,430.6903	0.2293	0.0316	1,445.8287
2027	1.0434	0.9470	5.7225	0.0117	0.4955	0.0221	0.5176	0.1337	0.0218	0.1555	0.0000	1,044.8820	1,044.8820	0.1273	0.0282	1,056.4536
Maximum	1.1702	1.2080	7.7246	0.0161	0.6637	0.0293	0.6931	0.2073	0.0290	0.2364	0.0000	1,430.6903	1,430.6903	0.2293	0.0316	1,445.8287

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Percent Reduction	20.94	74.22	-7.89	0.00	17.59	84.43	30.30	23.11	83.70	48.13	0.00	0.00	0.00	0.00	0.00	0.00
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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	2.3254	0.4635
2	4-1-2026	6-30-2026	1.3894	0.6276
3	7-1-2026	9-30-2026	1.4046	0.6345
4	10-1-2026	12-31-2026	1.4086	0.6385
5	1-1-2027	3-31-2027	1.3727	0.6194
6	4-1-2027	6-30-2027	1.3839	0.6222
7	7-1-2027	9-30-2027	1.3991	0.6290
		Highest	2.3254	0.6385

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	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484
Energy	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	825.8309	825.8309	0.0417	0.0119	830.4272
Mobile	1.1788	1.6479	12.5128	0.0313	4.1914	0.0207	4.2121	1.1189	0.0194	1.1384	0.0000	2,897.6014	2,897.6014	0.1417	0.1375	2,942.1041
Waste						0.0000	0.0000		0.0000	0.0000	58.8166	0.0000	58.8166	3.4760	0.0000	145.7157
Water						0.0000	0.0000		0.0000	0.0000	8.3715	93.7113	102.0828	0.8677	0.0213	130.1122
Total	4.7410	2.1712	19.4105	0.0405	4.1914	0.4605	4.6519	1.1189	0.4593	1.5782	110.2069	3,906.6335	4,016.8403	4.6619	0.1736	4,185.1077

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

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	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484
Energy	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	825.8309	825.8309	0.0417	0.0119	830.4272
Mobile	1.1788	1.6479	12.5128	0.0313	4.1914	0.0207	4.2121	1.1189	0.0194	1.1384	0.0000	2,897.6014	2,897.6014	0.1417	0.1375	2,942.1041
Waste						0.0000	0.0000		0.0000	0.0000	58.8166	0.0000	58.8166	3.4760	0.0000	145.7157
Water						0.0000	0.0000		0.0000	0.0000	8.3715	93.7113	102.0828	0.8677	0.0213	130.1122
Total	4.7410	2.1712	19.4105	0.0405	4.1914	0.4605	4.6519	1.1189	0.4593	1.5782	110.2069	3,906.6335	4,016.8403	4.6619	0.1736	4,185.1077

	ROG	NOx	CO	SO2	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	1/1/2026	2/27/2026	5	42	
2	Building Construction	Building Construction	3/2/2026	10/11/2027	5	421	
3	Architectural Coating	Architectural Coating	3/2/2026	10/11/2027	5	421	

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	357.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	71.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2819	0.0000	0.2819	0.1422	0.0000	0.1422	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596
Total	0.1783	1.7088	1.5579	3.8800e-003	0.2819	0.0686	0.3505	0.1422	0.0631	0.2052	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0115	5.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155
Total	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0115	5.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155

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					0.1205	0.0000	0.1205	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.2065	1.9601	3.8800e-003		6.3500e-003	6.3500e-003		6.3500e-003	6.3500e-003	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592
Total	0.0476	0.2065	1.9601	3.8800e-003	0.1205	6.3500e-003	0.1269	0.0608	6.3500e-003	0.0671	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0106	5.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8900e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155
Total	2.8000e-003	1.8200e-003	0.0268	9.0000e-005	0.0106	5.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8900e-003	0.0000	7.9548	7.9548	1.6000e-004	1.9000e-004	8.0155

3.3 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	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227
Total	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0101	0.3281	0.1289	1.6200e-003	0.0616	2.7500e-003	0.0643	0.0178	2.6300e-003	0.0204	0.0000	155.7130	155.7130	1.8400e-003	0.0229	162.5825
Worker	0.1041	0.0678	0.9989	3.2300e-003	0.4297	1.7500e-003	0.4314	0.1141	1.6100e-003	0.1157	0.0000	296.1569	296.1569	6.0700e-003	7.0700e-003	298.4156
Total	0.1142	0.3958	1.1278	4.8500e-003	0.4912	4.5000e-003	0.4957	0.1319	4.2400e-003	0.1361	0.0000	451.8699	451.8699	7.9100e-003	0.0300	460.9982

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	0.1035	0.5340	3.6086	5.3500e-003		0.0163	0.0163		0.0163	0.0163	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222
Total	0.1035	0.5340	3.6086	5.3500e-003		0.0163	0.0163		0.0163	0.0163	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0101	0.3281	0.1289	1.6200e-003	0.0576	2.7500e-003	0.0604	0.0168	2.6300e-003	0.0194	0.0000	155.7130	155.7130	1.8400e-003	0.0229	162.5825
Worker	0.1041	0.0678	0.9989	3.2300e-003	0.3961	1.7500e-003	0.3979	0.1059	1.6100e-003	0.1075	0.0000	296.1569	296.1569	6.0700e-003	7.0700e-003	298.4156
Total	0.1142	0.3958	1.1278	4.8500e-003	0.4538	4.5000e-003	0.4583	0.1227	4.2400e-003	0.1269	0.0000	451.8699	451.8699	7.9100e-003	0.0300	460.9982

3.3 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	0.2486	2.2389	3.0956	4.9400e-003		0.0947	0.0947		0.0893	0.0893	0.0000	423.6748	423.6748	0.0956	0.0000	426.0657
Total	0.2486	2.2389	3.0956	4.9400e-003		0.0947	0.0947		0.0893	0.0893	0.0000	423.6748	423.6748	0.0956	0.0000	426.0657

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.2995	0.1180	1.4600e-003	0.0568	2.5200e-003	0.0593	0.0164	2.4100e-003	0.0188	0.0000	140.8266	140.8266	1.7500e-003	0.0207	147.0311
Worker	0.0904	0.0569	0.8686	2.8900e-003	0.3963	1.5200e-003	0.3978	0.1052	1.3900e-003	0.1066	0.0000	265.3189	265.3189	5.1100e-003	6.1800e-003	267.2870
Total	0.0997	0.3564	0.9865	4.3500e-003	0.4531	4.0400e-003	0.4571	0.1216	3.8000e-003	0.1254	0.0000	406.1455	406.1455	6.8600e-003	0.0269	414.3181

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	0.0955	0.4926	3.3285	4.9400e-003		0.0151	0.0151		0.0151	0.0151	0.0000	423.6743	423.6743	0.0956	0.0000	426.0652
Total	0.0955	0.4926	3.3285	4.9400e-003		0.0151	0.0151		0.0151	0.0151	0.0000	423.6743	423.6743	0.0956	0.0000	426.0652

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.2995	0.1180	1.4600e-003	0.0532	2.5200e-003	0.0557	0.0155	2.4100e-003	0.0179	0.0000	140.8266	140.8266	1.7500e-003	0.0207	147.0311
Worker	0.0904	0.0569	0.8686	2.8900e-003	0.3654	1.5200e-003	0.3669	0.0976	1.3900e-003	0.0990	0.0000	265.3189	265.3189	5.1100e-003	6.1800e-003	267.2870
Total	0.0997	0.3564	0.9865	4.3500e-003	0.4185	4.0400e-003	0.4226	0.1131	3.8000e-003	0.1170	0.0000	406.1455	406.1455	6.8600e-003	0.0269	414.3181

3.4 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	0.8682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0748	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850
Total	0.9431	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0207	0.0135	0.1987	6.4000e-004	0.0855	3.5000e-004	0.0858	0.0227	3.2000e-004	0.0230	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488
Total	0.0207	0.0135	0.1987	6.4000e-004	0.0855	3.5000e-004	0.0858	0.0227	3.2000e-004	0.0230	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488

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	0.8682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0564	0.8026	1.3000e-003		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849
Total	0.8813	0.0564	0.8026	1.3000e-003		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0207	0.0135	0.1987	6.4000e-004	0.0788	3.5000e-004	0.0791	0.0211	3.2000e-004	0.0214	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488
Total	0.0207	0.0135	0.1987	6.4000e-004	0.0788	3.5000e-004	0.0791	0.0211	3.2000e-004	0.0214	0.0000	58.8996	58.8996	1.2100e-003	1.4100e-003	59.3488

3.4 Architectural Coating - 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					
Archit. Coating	0.8008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.4628	0.7309	1.2000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	103.1515	103.1515	5.6300e-003	0.0000	103.2921
Total	0.8699	0.4628	0.7309	1.2000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	103.1515	103.1515	5.6300e-003	0.0000	103.2921

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0180	0.0113	0.1727	5.8000e-004	0.0788	3.0000e-004	0.0791	0.0209	2.8000e-004	0.0212	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579
Total	0.0180	0.0113	0.1727	5.8000e-004	0.0788	3.0000e-004	0.0791	0.0209	2.8000e-004	0.0212	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579

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	0.8008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.0520	0.7403	1.2000e-003		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	103.1513	103.1513	5.6300e-003	0.0000	103.2920
Total	0.8128	0.0520	0.7403	1.2000e-003		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	103.1513	103.1513	5.6300e-003	0.0000	103.2920

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0180	0.0113	0.1727	5.8000e-004	0.0727	3.0000e-004	0.0730	0.0194	2.8000e-004	0.0197	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579
Total	0.0180	0.0113	0.1727	5.8000e-004	0.0727	3.0000e-004	0.0730	0.0194	2.8000e-004	0.0197	0.0000	52.7665	52.7665	1.0200e-003	1.2300e-003	53.1579

3.5 Paving - 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	0.0256	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0341	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	2.0000e-005	1.2400e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134
Total	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	2.0000e-005	1.2400e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134

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	7.8500e-003	0.0340	0.4843	6.4000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.0340	0.4843	6.4000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	2.0000e-005	1.1500e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134
Total	1.0500e-003	6.6000e-004	0.0101	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	2.0000e-005	1.1500e-003	0.0000	3.0905	3.0905	6.0000e-005	7.0000e-005	3.1134

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	tons/yr										MT/yr					
Mitigated	1.1788	1.6479	12.5128	0.0313	4.1914	0.0207	4.2121	1.1189	0.0194	1.1384	0.0000	2,897.6014	2,897.6014	0.1417	0.1375	2,942.1041

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

Unmitigated	1.1788	1.6479	12.5128	0.0313	4.1914	0.0207	4.2121	1.1189	0.0194	1.1384	0.0000	2,897.6014	2,897.6014	0.1417	0.1375	2,942.1041
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,903.20	2,116.40	1632.80	6,475,601	6,475,601
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,368.80	1,383.30	1239.75	4,621,478	4,621,478
Total	3,272.00	3,499.70	2,872.55	11,097,079	11,097,079

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	397.0878	397.0878	0.0335	4.0600e-003	399.1363
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	397.0878	397.0878	0.0335	4.0600e-003	399.1363
NaturalGas Mitigated	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909
NaturalGas Unmitigated	0.0433	0.3702	0.1575	2.3600e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.93274e+006	0.0212	0.1812	0.0771	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	209.8658	209.8658	4.0200e-003	3.8500e-003	211.1129
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.10161e+006	0.0221	0.1890	0.0804	1.2100e-003		0.0153	0.0153		0.0153	0.0153	0.0000	218.8773	218.8773	4.2000e-003	4.0100e-003	220.1780
Total		0.0433	0.3702	0.1575	2.3700e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	3.93274e+006	0.0212	0.1812	0.0771	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	209.8658	209.8658	4.0200e-003	3.8500e-003	211.1129
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.10161e+006	0.0221	0.1890	0.0804	1.2100e-003		0.0153	0.0153		0.0153	0.0153	0.0000	218.8773	218.8773	4.2000e-003	4.0100e-003	220.1780
Total		0.0433	0.3702	0.1575	2.3700e-003		0.0299	0.0299		0.0299	0.0299	0.0000	428.7431	428.7431	8.2200e-003	7.8600e-003	431.2909

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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****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.08419e+006		192.2757	0.0162	1.9700e-003	193.2677
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.15488e+006		204.8121	0.0173	2.1000e-003	205.8687
Total			397.0878	0.0335	4.0700e-003	399.1363

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

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.08419e+006		192.2757	0.0162	1.9700e-003	193.2677
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.15488e+006		204.8121	0.0173	2.1000e-003	205.8687
Total			397.0878	0.0335	4.0700e-003	399.1363

6.0 Area Detail**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	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484
Unmitigated	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484

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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****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	0.1669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3266	0.1050	2.5745	6.5700e-003		0.3867	0.3867		0.3867	0.3867	43.0187	82.6672	125.6859	0.1283	2.9200e-003	129.7633
Landscaping	0.1246	0.0480	4.1657	2.2000e-004		0.0232	0.0232		0.0232	0.0232	0.0000	6.8226	6.8226	6.5000e-003	0.0000	6.9851
Total	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484

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

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	0.1669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3266	0.1050	2.5745	6.5700e-003		0.3867	0.3867		0.3867	0.3867	43.0187	82.6672	125.6859	0.1283	2.9200e-003	129.7633
Landscaping	0.1246	0.0480	4.1657	2.2000e-004		0.0232	0.0232		0.0232	0.0232	0.0000	6.8226	6.8226	6.5000e-003	0.0000	6.9851
Total	3.5189	0.1531	6.7402	6.7900e-003		0.4099	0.4099		0.4099	0.4099	43.0187	89.4898	132.5085	0.1348	2.9200e-003	136.7484

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	102.0828	0.8677	0.0213	130.1122	

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

Unmitigated		102.0828	0.8677	0.0213	130.1122
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	16.94 / 10.6796		65.5346	0.5571	0.0137	83.5288
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	9.44733 / 5.95593		36.5482	0.3107	7.6100e-003	46.5834
Total			102.0828	0.8677	0.0213	130.1122

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	16.94 / 10.6796		65.5346	0.5571	0.0137	83.5288
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	9.44733 / 5.95593		36.5482	0.3107	7.6100e-003	46.5834
Total			102.0828	0.8677	0.0213	130.1122

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		58.8166	3.4760	0.0000	145.7157
Unmitigated		58.8166	3.4760	0.0000	145.7157

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	119.6		24.2777	1.4348	0.0000	60.1470
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	170.15		34.5389	2.0412	0.0000	85.5687
Total			58.8166	3.4760	0.0000	145.7157

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	119.6		24.2777	1.4348	0.0000	60.1470
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	170.15		34.5389	2.0412	0.0000	85.5687
Total			58.8166	3.4760	0.0000	145.7157

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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Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Annual

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

11.0 Vegetation

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - 2.1 Construction Mitigated

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	260.00	Dwelling Unit	18.24	260,000.00	744
Single Family Housing	145.00	Dwelling Unit	30.04	261,000.00	415

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Grading - Project specific grading
- Architectural Coating - Rule 113
- Area Coating -

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	54.70
tblLandUse	LotAcreage	16.25	18.24
tblLandUse	LotAcreage	47.08	30.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

Green Vally SP Phase 2 - 2.1 Construction - 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
Year	lb/day										lb/day					
2026	12.4475	81.4504	75.6744	0.1892	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765
2027	12.3707	30.2114	51.0515	0.1122	5.3540	1.1862	6.5403	1.4329	1.1305	2.5634	0.0000	11,026.9913	11,026.9913	1.4321	0.3029	11,147.0049
Maximum	12.4475	81.4504	75.6744	0.1892	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	10.3674	9.9128	94.8291	0.1892	6.2545	0.3047	6.5592	3.0315	0.3046	3.3361	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765
2027	10.2906	8.8538	53.4503	0.1122	4.9432	0.2080	5.1512	1.3320	0.2055	1.5375	0.0000	11,026.9913	11,026.9913	1.4321	0.3029	11,147.0049
Maximum	10.3674	9.9128	94.8291	0.1892	6.2545	0.3047	6.5592	3.0315	0.3046	3.3361	0.0000	18,339.2699	18,339.2699	5.7942	0.3120	18,486.9765

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Percent Reduction	16.76	83.19	-17.01	0.00	42.10	88.49	50.78	47.75	87.67	60.97	0.00	0.00	0.00	0.00	0.00	0.00
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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	lb/day										lb/day					
Area	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850
Total	126.8050	19.9449	320.8894	0.7369	25.2347	31.4094	56.6441	6.7277	31.4018	38.1295	3,793.6020	29,991.0754	33,784.6774	12.3299	1.1794	34,444.3704

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850
Total	126.8050	19.9449	320.8894	0.7369	25.2347	31.4094	56.6441	6.7277	31.4018	38.1295	3,793.6020	29,991.0754	33,784.6774	12.3299	1.1794	34,444.3704

	ROG	NOx	CO	SO2	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	1/1/2026	2/27/2026	5	42	
2	Building Construction	Building Construction	3/2/2026	10/11/2027	5	421	
3	Architectural Coating	Architectural Coating	3/2/2026	10/11/2027	5	421	
4	Paving	Paving	10/12/2027	11/18/2027	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 54.7****Acres of Paving: 6.45****Residential Indoor: 1,055,025; Residential Outdoor: 351,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	357.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Architectural Coating	4	71.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					13.4254	0.0000	13.4254	6.7696	0.0000	6.7696			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4254	3.2648	16.6902	6.7696	3.0037	9.7732		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1493	0.0815	1.4898	4.4500e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823
Total	0.1493	0.0815	1.4898	4.4500e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7393	0.0000	5.7393	2.8940	0.0000	2.8940			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.1848		0.3025	0.3025		0.3025	0.3025	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	2.2688	9.8313	93.3393	0.1848	5.7393	0.3025	6.0418	2.8940	0.3025	3.1965	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

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	0.1493	0.0815	1.4898	4.4500e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823
Total	0.1493	0.0815	1.4898	4.4500e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		450.1186	450.1186	8.5000e-003	9.5700e-003	453.1823

3.3 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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0963	2.8551	1.1590	0.0148	0.5700	0.0251	0.5951	0.1641	0.0240	0.1881		1,565.8636	1,565.8636	0.0187	0.2301	1,634.9098
Worker	1.0657	0.5820	10.6372	0.0318	3.9904	0.0160	4.0064	1.0583	0.0147	1.0730		3,213.8465	3,213.8465	0.0607	0.0683	3,235.7217
Total	1.1619	3.4371	11.7961	0.0466	4.5604	0.0411	4.6015	1.2224	0.0387	1.2611		4,779.7101	4,779.7101	0.0794	0.2985	4,870.6314

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0963	2.8551	1.1590	0.0148	0.5335	0.0251	0.5585	0.1552	0.0240	0.1791		1,565.8636	1,565.8636	0.0187	0.2301	1,634.9098
Worker	1.0657	0.5820	10.6372	0.0318	3.6782	0.0160	3.6942	0.9816	0.0147	0.9964		3,213.8465	3,213.8465	0.0607	0.0683	3,235.7217
Total	1.1619	3.4371	11.7961	0.0466	4.2117	0.0411	4.2527	1.1368	0.0387	1.1755		4,779.7101	4,779.7101	0.0794	0.2985	4,870.6314

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5700	0.0249	0.5949	0.1641	0.0239	0.1880		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0024	0.5304	10.0220	0.0309	3.9904	0.0150	4.0054	1.0583	0.0138	1.0721		3,121.1517	3,121.1517	0.0553	0.0647	3,141.8160
Total	1.0977	3.3565	11.1718	0.0453	4.5604	0.0399	4.6004	1.2224	0.0377	1.2601		4,656.4902	4,656.4902	0.0745	0.2900	4,744.7649

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5335	0.0249	0.5584	0.1552	0.0239	0.1790		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0024	0.5304	10.0220	0.0309	3.6782	0.0150	3.6932	0.9816	0.0138	0.9955		3,121.1517	3,121.1517	0.0553	0.0647	3,141.8160
Total	1.0977	3.3565	11.1718	0.0453	4.2117	0.0399	4.2516	1.1368	0.0377	1.1745		4,656.4902	4,656.4902	0.0745	0.2900	4,744.7649

3.4 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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2119	0.1157	2.1155	6.3200e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		639.1684	639.1684	0.0121	0.0136	643.5189
Total	0.2119	0.1157	2.1155	6.3200e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		639.1684	639.1684	0.0121	0.0136	643.5189

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.0480	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2119	0.1157	2.1155	6.3200e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		639.1684	639.1684	0.0121	0.0136	643.5189
Total	0.2119	0.1157	2.1155	6.3200e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		639.1684	639.1684	0.0121	0.0136	643.5189

3.4 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1994	0.1055	1.9932	6.1400e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		620.7332	620.7332	0.0110	0.0129	624.8430
Total	0.1994	0.1055	1.9932	6.1400e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		620.7332	620.7332	0.0110	0.0129	624.8430

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.0480	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1994	0.1055	1.9932	6.1400e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		620.7332	620.7332	0.0110	0.0129	624.8430
Total	0.1994	0.1055	1.9932	6.1400e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		620.7332	620.7332	0.0110	0.0129	624.8430

3.5 Paving - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0842	0.0446	0.8422	2.5900e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182
Total	0.0842	0.0446	0.8422	2.5900e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182

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	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

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	0.0842	0.0446	0.8422	2.5900e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182
Total	0.0842	0.0446	0.8422	2.5900e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		262.2817	262.2817	4.6400e-003	5.4400e-003	264.0182

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	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Unmitigated	8.1163	9.1291	80.7374	0.1968	25.2347	0.1229	25.3575	6.7277	0.1152	6.8429		20,051.2752	20,051.2752	0.9097	0.8744	20,334.5850
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,903.20	2,116.40	1632.80	6,475,601	6,475,601
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,368.80	1,383.30	1239.75	4,621,478	4,621,478
Total	3,272.00	3,499.70	2,872.55	11,097,079	11,097,079

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
NaturalGas Unmitigated	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - 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					
Apartments Low Rise	10774.6	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11237.3	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10.7746	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.2373	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

6.0 Area Detail

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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Unmitigated	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - 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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - 2.1 Construction Mitigated

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	260.00	Dwelling Unit	18.24	260,000.00	744
Single Family Housing	145.00	Dwelling Unit	30.04	261,000.00	415

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Grading - Project specific grading
- Architectural Coating - Rule 113
- Area Coating -

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	54.70
tblLandUse	LotAcreage	16.25	18.24
tblLandUse	LotAcreage	47.08	30.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Green Vally SP Phase 2 - 2.1 Construction - 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
Year	lb/day										lb/day					
2026	12.3708	81.4534	75.3976	0.1888	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452
2027	12.3012	30.4061	48.8673	0.1088	5.3540	1.1863	6.5403	1.4329	1.1306	2.5635	0.0000	10,682.2939	10,682.2939	1.4321	0.3053	10,803.0525
Maximum	12.3708	81.4534	75.3976	0.1888	13.9842	3.2671	17.2513	6.9178	3.0057	9.9235	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	10.2907	9.9158	94.5523	0.1888	6.2545	0.3047	6.5592	3.0315	0.3046	3.3361	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452
2027	10.2211	9.0485	51.2662	0.1088	4.9432	0.2081	5.1513	1.3320	0.2056	1.5376	0.0000	10,682.2939	10,682.2939	1.4321	0.3053	10,803.0525
Maximum	10.2907	9.9158	94.5523	0.1888	6.2545	0.3047	6.5592	3.0315	0.3046	3.3361	0.0000	18,297.2728	18,297.2728	5.7942	0.3147	18,445.0452

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Percent Reduction	16.86	83.05	-17.34	0.00	42.10	88.48	50.78	47.75	87.67	60.97	0.00	0.00	0.00	0.00	0.00	0.00
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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	lb/day										lb/day					
Area	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507
Total	125.5740	20.5610	311.9987	0.7227	25.2347	31.4095	56.6442	6.7277	31.4019	38.1296	3,793.6020	28,556.6173	32,350.2193	12.3469	1.1981	33,015.9361

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Energy	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
Mobile	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507
Total	125.5740	20.5610	311.9987	0.7227	25.2347	31.4095	56.6442	6.7277	31.4019	38.1296	3,793.6020	28,556.6173	32,350.2193	12.3469	1.1981	33,015.9361

	ROG	NOx	CO	SO2	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	1/1/2026	2/27/2026	5	42	
2	Building Construction	Building Construction	3/2/2026	10/11/2027	5	421	
3	Architectural Coating	Architectural Coating	3/2/2026	10/11/2027	5	421	
4	Paving	Paving	10/12/2027	11/18/2027	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 54.7****Acres of Paving: 6.45****Residential Indoor: 1,055,025; Residential Outdoor: 351,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	357.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Architectural Coating	4	71.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					13.4254	0.0000	13.4254	6.7696	0.0000	6.7696			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4254	3.2648	16.6902	6.7696	3.0037	9.7732		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1411	0.0845	1.2130	4.0400e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510
Total	0.1411	0.0845	1.2130	4.0400e-003	0.5589	2.2400e-003	0.5611	0.1482	2.0600e-003	0.1503		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7393	0.0000	5.7393	2.8940	0.0000	2.8940			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.1848		0.3025	0.3025		0.3025	0.3025	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	2.2688	9.8313	93.3393	0.1848	5.7393	0.3025	6.0418	2.8940	0.3025	3.1965	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

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	0.1411	0.0845	1.2130	4.0400e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510
Total	0.1411	0.0845	1.2130	4.0400e-003	0.5152	2.2400e-003	0.5174	0.1375	2.0600e-003	0.1396		408.1215	408.1215	8.5300e-003	9.7900e-003	411.2510

3.3 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	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0889	3.0284	1.1991	0.0148	0.5700	0.0252	0.5952	0.1641	0.0241	0.1882		1,569.8165	1,569.8165	0.0184	0.2309	1,639.0799
Worker	1.0078	0.6032	8.6610	0.0288	3.9904	0.0160	4.0064	1.0583	0.0147	1.0730		2,913.9872	2,913.9872	0.0609	0.0699	2,936.3319
Total	1.0967	3.6316	9.8601	0.0436	4.5604	0.0411	4.6016	1.2224	0.0388	1.2612		4,483.8037	4,483.8037	0.0793	0.3008	4,575.4118

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0889	3.0284	1.1991	0.0148	0.5335	0.0252	0.5586	0.1552	0.0241	0.1792		1,569.8165	1,569.8165	0.0184	0.2309	1,639.0799
Worker	1.0078	0.6032	8.6610	0.0288	3.6782	0.0160	3.6942	0.9816	0.0147	0.9964		2,913.9872	2,913.9872	0.0609	0.0699	2,936.3319
Total	1.0967	3.6316	9.8601	0.0436	4.2117	0.0411	4.2528	1.1368	0.0388	1.1756		4,483.8037	4,483.8037	0.0793	0.3008	4,575.4118

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5700	0.0250	0.5950	0.1641	0.0239	0.1880		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9505	0.5496	8.1667	0.0280	3.9904	0.0150	4.0054	1.0583	0.0138	1.0721		2,830.3853	2,830.3853	0.0556	0.0662	2,851.4940
Total	1.0385	3.5474	9.3566	0.0425	4.5604	0.0400	4.6004	1.2224	0.0377	1.2601		4,369.6202	4,369.6202	0.0745	0.2922	4,458.5516

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5335	0.0250	0.5585	0.1552	0.0239	0.1791		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9505	0.5496	8.1667	0.0280	3.6782	0.0150	3.6932	0.9816	0.0138	0.9955		2,830.3853	2,830.3853	0.0556	0.0662	2,851.4940
Total	1.0385	3.5474	9.3566	0.0425	4.2117	0.0400	4.2517	1.1368	0.0377	1.1745		4,369.6202	4,369.6202	0.0745	0.2922	4,458.5516

3.4 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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2004	0.1200	1.7225	5.7300e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		579.5325	579.5325	0.0121	0.0139	583.9764
Total	0.2004	0.1200	1.7225	5.7300e-003	0.7936	3.1800e-003	0.7968	0.2105	2.9300e-003	0.2134		579.5325	579.5325	0.0121	0.0139	583.9764

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.0480	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2004	0.1200	1.7225	5.7300e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		579.5325	579.5325	0.0121	0.0139	583.9764
Total	0.2004	0.1200	1.7225	5.7300e-003	0.7315	3.1800e-003	0.7347	0.1952	2.9300e-003	0.1982		579.5325	579.5325	0.0121	0.0139	583.9764

3.4 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.6126	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1890	0.1093	1.6242	5.5700e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		562.9058	562.9058	0.0111	0.0132	567.1038
Total	0.1890	0.1093	1.6242	5.5700e-003	0.7936	2.9800e-003	0.7966	0.2105	2.7500e-003	0.2132		562.9058	562.9058	0.0111	0.0132	567.1038

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	7.9291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.0480	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1890	0.1093	1.6242	5.5700e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		562.9058	562.9058	0.0111	0.0132	567.1038
Total	0.1890	0.1093	1.6242	5.5700e-003	0.7315	2.9800e-003	0.7345	0.1952	2.7500e-003	0.1980		562.9058	562.9058	0.0111	0.0132	567.1038

3.5 Paving - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0799	0.0462	0.6863	2.3500e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213
Total	0.0799	0.0462	0.6863	2.3500e-003	0.3353	1.2600e-003	0.3366	0.0889	1.1600e-003	0.0901		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213

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	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

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	0.0799	0.0462	0.6863	2.3500e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213
Total	0.0799	0.0462	0.6863	2.3500e-003	0.3091	1.2600e-003	0.3104	0.0825	1.1600e-003	0.0837		237.8475	237.8475	4.6700e-003	5.5600e-003	239.6213

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	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Unmitigated	6.8853	9.7452	71.8466	0.1826	25.2347	0.1230	25.3576	6.7277	0.1153	6.8430		18,616.8171	18,616.8171	0.9267	0.8932	18,906.1507
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,903.20	2,116.40	1632.80	6,475,601	6,475,601
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,368.80	1,383.30	1239.75	4,621,478	4,621,478
Total	3,272.00	3,499.70	2,872.55	11,097,079	11,097,079

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240
NaturalGas Unmitigated	0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - 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					
Apartments Low Rise	10774.6	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11237.3	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10.7746	0.1162	0.9930	0.4225	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,267.6025	1,267.6025	0.0243	0.0232	1,275.1352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.2373	0.1212	1.0356	0.4407	6.6100e-003		0.0837	0.0837		0.0837	0.0837		1,322.0327	1,322.0327	0.0253	0.0242	1,329.8888
Total		0.2374	2.0286	0.8632	0.0130		0.1640	0.1640		0.1640	0.1640		2,589.6351	2,589.6351	0.0496	0.0475	2,605.0240

6.0 Area Detail

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	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614
Unmitigated	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7671	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - 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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.9146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.1246	8.4031	205.9635	0.5254		30.9373	30.9373		30.9373	30.9373	3,793.6020	7,290.0000	11,083.6020	11.3133	0.2575	11,443.1632
Landscaping	0.9968	0.3842	33.3254	1.7600e-003		0.1853	0.1853		0.1853	0.1853		60.1651	60.1651	0.0573		61.5982
Total	118.4513	8.7873	239.2889	0.5272		31.1226	31.1226		31.1226	31.1226	3,793.6020	7,350.1651	11,143.7670	11.3706	0.2575	11,504.7614

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.1 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.2 Construction Mitigated****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	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	270.00	Dwelling Unit	18.94	270,000.00	772
Single Family Housing	130.00	Dwelling Unit	26.93	234,000.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	52.30
tblLandUse	LotAcreage	16.88	18.94
tblLandUse	LotAcreage	42.21	26.93
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

					PM10	PM10	Total	PM2.5	PM2.5	Total						
Year	tons/yr										MT/yr					
2027	0.8526	3.4125	4.3516	0.0101	0.5890	0.1350	0.7240	0.2246	0.1264	0.3511	0.0000	896.3144	896.3144	0.1709	0.0158	905.2885
2028	1.5512	3.9410	6.3574	0.0141	0.6889	0.1541	0.8430	0.1846	0.1468	0.3314	0.0000	1,257.4021	1,257.4021	0.1400	0.0352	1,271.3911
2029	0.3259	0.9819	1.6041	3.3100e-003	0.1345	0.0407	0.1752	0.0360	0.0384	0.0745	0.0000	293.5524	293.5524	0.0445	6.5300e-003	296.6098
Maximum	1.5512	3.9410	6.3574	0.0141	0.6889	0.1541	0.8430	0.2246	0.1468	0.3511	0.0000	1,257.4021	1,257.4021	0.1709	0.0352	1,271.3911

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					
2027	0.6054	0.7142	4.8882	0.0101	0.4047	0.0181	0.4227	0.1375	0.0179	0.1554	0.0000	896.3137	896.3137	0.1709	0.0158	905.2877
2028	1.2808	1.1645	6.6693	0.0141	0.6362	0.0269	0.6631	0.1717	0.0266	0.1983	0.0000	1,257.4013	1,257.4013	0.1400	0.0352	1,271.3903
2029	0.2572	0.2523	1.7389	3.3100e-003	0.1242	6.1000e-003	0.1303	0.0335	6.0400e-003	0.0395	0.0000	293.5521	293.5521	0.0445	6.5300e-003	296.6096
Maximum	1.2808	1.1645	6.6693	0.0141	0.6362	0.0269	0.6631	0.1717	0.0266	0.1983	0.0000	1,257.4013	1,257.4013	0.1709	0.0352	1,271.3903

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	21.48	74.43	-7.99	0.00	17.51	84.53	30.20	23.04	83.79	48.05	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	6-1-2027	8-31-2027	2.3800	0.4846
2	9-1-2027	11-30-2027	1.3788	0.6171
3	12-1-2027	2-29-2028	1.3771	0.6154
4	3-1-2028	5-31-2028	1.3879	0.6178
5	6-1-2028	8-31-2028	1.3865	0.6164
6	9-1-2028	11-30-2028	1.3742	0.6125
7	12-1-2028	2-28-2029	1.3577	0.6044
8	3-1-2029	5-31-2029	0.4021	0.1065
		Highest	2.3800	0.6178

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	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602
Energy	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	797.4680	797.4680	0.0403	0.0115	801.9066
Mobile	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847
Waste						0.0000	0.0000		0.0000	0.0000	56.1717	0.0000	56.1717	3.3197	0.0000	139.1629

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Water						0.0000	0.0000		0.0000	0.0000	8.2682	92.5544	100.8225	0.8570	0.0210	128.5059
Total	4.6306	2.1227	19.0637	0.0397	4.1049	0.4540	4.5589	1.0958	0.4528	1.5486	106.9274	3,816.2078	3,923.1353	4.4889	0.1700	4,086.0203

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602
Energy	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	797.4680	797.4680	0.0403	0.0115	801.9066
Mobile	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847
Waste						0.0000	0.0000		0.0000	0.0000	56.1717	0.0000	56.1717	3.3197	0.0000	139.1629
Water						0.0000	0.0000		0.0000	0.0000	8.2682	92.5544	100.8225	0.8570	0.0210	128.5059
Total	4.6306	2.1227	19.0637	0.0397	4.1049	0.4540	4.5589	1.0958	0.4528	1.5486	106.9274	3,816.2078	3,923.1353	4.4889	0.1700	4,086.0203

	ROG	NOx	CO	SO2	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	6/1/2027	7/28/2027	5	42	
2	Building Construction	Building Construction	7/29/2027	3/8/2029	5	421	
3	Architectural Coating	Architectural Coating	7/29/2027	3/8/2029	5	421	

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

4	Paving	Paving	3/9/2029	4/17/2029	5	28
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.3

Acres of Paving: 6.45

Residential Indoor: 1,020,600; Residential Outdoor: 340,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	4	6.00	78	0.48
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38

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
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Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	359.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	72.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2807	0.0000	0.2807	0.1420	0.0000	0.1420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596
Total	0.1783	1.7088	1.5579	3.8800e-003	0.2807	0.0686	0.3492	0.1420	0.0631	0.2051	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836
Total	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1100e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836

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					0.1200	0.0000	0.1200	0.0607	0.0000	0.0607	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.2065	1.9601	3.8800e-003		6.3500e-003	6.3500e-003		6.3500e-003	6.3500e-003	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592
Total	0.0476	0.2065	1.9601	3.8800e-003	0.1200	6.3500e-003	0.1263	0.0607	6.3500e-003	0.0671	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836
Total	2.6300e-003	1.6600e-003	0.0253	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.7262	7.7262	1.5000e-004	1.8000e-004	7.7836

3.3 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	0.1378	1.2414	1.7164	2.7400e-003		0.0525	0.0525		0.0495	0.0495	0.0000	234.9088	234.9088	0.0530	0.0000	236.2344
Total	0.1378	1.2414	1.7164	2.7400e-003		0.0525	0.0525		0.0495	0.0495	0.0000	234.9088	234.9088	0.0530	0.0000	236.2344

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	5.1300e-003	0.1661	0.0654	8.1000e-004	0.0315	1.4000e-003	0.0329	9.0800e-003	1.3400e-003	0.0104	0.0000	78.0821	78.0821	9.7000e-004	0.0115	81.5222
Worker	0.0504	0.0318	0.4843	1.6100e-003	0.2210	8.4000e-004	0.2218	0.0587	7.8000e-004	0.0595	0.0000	147.9316	147.9316	2.8500e-003	3.4400e-003	149.0290
Total	0.0556	0.1978	0.5497	2.4200e-003	0.2525	2.2400e-003	0.2547	0.0678	2.1200e-003	0.0699	0.0000	226.0137	226.0137	3.8200e-003	0.0149	230.5512

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	0.0530	0.2731	1.8455	2.7400e-003		8.3600e-003	8.3600e-003		8.3600e-003	8.3600e-003	0.0000	234.9085	234.9085	0.0530	0.0000	236.2342
Total	0.0530	0.2731	1.8455	2.7400e-003		8.3600e-003	8.3600e-003		8.3600e-003	8.3600e-003	0.0000	234.9085	234.9085	0.0530	0.0000	236.2342

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	5.1300e-003	0.1661	0.0654	8.1000e-004	0.0295	1.4000e-003	0.0309	8.5900e-003	1.3400e-003	9.9300e-003	0.0000	78.0821	78.0821	9.7000e-004	0.0115	81.5222
Worker	0.0504	0.0318	0.4843	1.6100e-003	0.2037	8.4000e-004	0.2046	0.0544	7.8000e-004	0.0552	0.0000	147.9316	147.9316	2.8500e-003	3.4400e-003	149.0290
Total	0.0556	0.1978	0.5497	2.4200e-003	0.2332	2.2400e-003	0.2355	0.0630	2.1200e-003	0.0652	0.0000	226.0137	226.0137	3.8200e-003	0.0149	230.5512

3.3 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	0.3199	2.8818	3.9845	6.3500e-003		0.1219	0.1219		0.1149	0.1149	0.0000	545.3240	545.3240	0.1231	0.0000	548.4014
Total	0.3199	2.8818	3.9845	6.3500e-003		0.1219	0.1219		0.1149	0.1149	0.0000	545.3240	545.3240	0.1231	0.0000	548.4014

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0118	0.3823	0.1510	1.8500e-003	0.0731	3.2300e-003	0.0763	0.0211	3.0900e-003	0.0242	0.0000	177.8027	177.8027	2.3300e-003	0.0261	185.6248
Worker	0.1105	0.0677	1.0671	3.6500e-003	0.5130	1.8300e-003	0.5148	0.1362	1.6800e-003	0.1379	0.0000	334.4332	334.4332	6.0700e-003	7.6200e-003	336.8559
Total	0.1223	0.4500	1.2181	5.5000e-003	0.5861	5.0600e-003	0.5911	0.1573	4.7700e-003	0.1621	0.0000	512.2359	512.2359	8.4000e-003	0.0337	522.4806

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	0.1229	0.6340	4.2842	6.3500e-003		0.0194	0.0194		0.0194	0.0194	0.0000	545.3234	545.3234	0.1231	0.0000	548.4007
Total	0.1229	0.6340	4.2842	6.3500e-003		0.0194	0.0194		0.0194	0.0194	0.0000	545.3234	545.3234	0.1231	0.0000	548.4007

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

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	0.0118	0.3823	0.1510	1.8500e-003	0.0684	3.2300e-003	0.0717	0.0199	3.0900e-003	0.0230	0.0000	177.8027	177.8027	2.3300e-003	0.0261	185.6248
Worker	0.1105	0.0677	1.0671	3.6500e-003	0.4729	1.8300e-003	0.4748	0.1264	1.6800e-003	0.1281	0.0000	334.4332	334.4332	6.0700e-003	7.6200e-003	336.8559
Total	0.1223	0.4500	1.2181	5.5000e-003	0.5414	5.0600e-003	0.5464	0.1463	4.7700e-003	0.1511	0.0000	512.2359	512.2359	8.4000e-003	0.0337	522.4806

3.3 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	0.0603	0.5431	0.7509	1.2000e-003		0.0230	0.0230		0.0217	0.0217	0.0000	102.7726	102.7726	0.0232	0.0000	103.3526
Total	0.0603	0.5431	0.7509	1.2000e-003		0.0230	0.0230		0.0217	0.0217	0.0000	102.7726	102.7726	0.0232	0.0000	103.3526

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	2.2100e-003	0.0715	0.0283	3.4000e-004	0.0138	6.1000e-004	0.0144	3.9700e-003	5.8000e-004	4.5500e-003	0.0000	32.8953	32.8953	4.5000e-004	4.8100e-003	34.3404
Worker	0.0197	0.0118	0.1917	6.7000e-004	0.0967	3.2000e-004	0.0970	0.0257	3.0000e-004	0.0260	0.0000	61.5302	61.5302	1.0500e-003	1.3800e-003	61.9668
Total	0.0219	0.0833	0.2201	1.0100e-003	0.1104	9.3000e-004	0.1114	0.0296	8.8000e-004	0.0305	0.0000	94.4255	94.4255	1.5000e-003	6.1900e-003	96.3072

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	0.0232	0.1195	0.8074	1.2000e-003		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	102.7725	102.7725	0.0232	0.0000	103.3525
Total	0.0232	0.1195	0.8074	1.2000e-003		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	102.7725	102.7725	0.0232	0.0000	103.3525

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	2.2100e-003	0.0715	0.0283	3.4000e-004	0.0129	6.1000e-004	0.0135	3.7600e-003	5.8000e-004	4.3400e-003	0.0000	32.8953	32.8953	4.5000e-004	4.8100e-003	34.3404
Worker	0.0197	0.0118	0.1917	6.7000e-004	0.0891	3.2000e-004	0.0895	0.0238	3.0000e-004	0.0241	0.0000	61.5302	61.5302	1.0500e-003	1.3800e-003	61.9668
Total	0.0219	0.0833	0.2201	1.0100e-003	0.1020	9.3000e-004	0.1030	0.0276	8.8000e-004	0.0285	0.0000	94.4255	94.4255	1.5000e-003	6.1900e-003	96.3072

3.4 Architectural Coating - 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					
Archit. Coating	0.4299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0383	0.2566	0.4053	6.7000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	57.1929	57.1929	3.1200e-003	0.0000	57.2709
Total	0.4682	0.2566	0.4053	6.7000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	57.1929	57.1929	3.1200e-003	0.0000	57.2709

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0443	1.7000e-004	0.0445	0.0118	1.6000e-004	0.0119	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888
Total	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0443	1.7000e-004	0.0445	0.0118	1.6000e-004	0.0119	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888

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	0.4299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6600e-003	0.0288	0.4105	6.7000e-004		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	57.1928	57.1928	3.1200e-003	0.0000	57.2708
Total	0.4365	0.0288	0.4105	6.7000e-004		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	57.1928	57.1928	3.1200e-003	0.0000	57.2708

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0409	1.7000e-004	0.0410	0.0109	1.6000e-004	0.0111	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888
Total	0.0101	6.3700e-003	0.0971	3.2000e-004	0.0409	1.7000e-004	0.0410	0.0109	1.6000e-004	0.0111	0.0000	29.6687	29.6687	5.7000e-004	6.9000e-004	29.8888

3.4 Architectural Coating - 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					
Archit. Coating	0.9979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0889	0.5957	0.9408	1.5500e-003		0.0268	0.0268		0.0268	0.0268	0.0000	132.7692	132.7692	7.2400e-003	0.0000	132.9503
Total	1.0868	0.5957	0.9408	1.5500e-003		0.0268	0.0268		0.0268	0.0268	0.0000	132.7692	132.7692	7.2400e-003	0.0000	132.9503

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0222	0.0136	0.2140	7.3000e-004	0.1029	3.7000e-004	0.1033	0.0273	3.4000e-004	0.0277	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588
Total	0.0222	0.0136	0.2140	7.3000e-004	0.1029	3.7000e-004	0.1033	0.0273	3.4000e-004	0.0277	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588

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	0.9979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.0670	0.9529	1.5500e-003		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	132.7690	132.7690	7.2400e-003	0.0000	132.9501
Total	1.0134	0.0670	0.9529	1.5500e-003		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	132.7690	132.7690	7.2400e-003	0.0000	132.9501

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0222	0.0136	0.2140	7.3000e-004	0.0949	3.7000e-004	0.0952	0.0254	3.4000e-004	0.0257	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588
Total	0.0222	0.0136	0.2140	7.3000e-004	0.0949	3.7000e-004	0.0952	0.0254	3.4000e-004	0.0257	0.0000	67.0730	67.0730	1.2200e-003	1.5300e-003	67.5588

3.4 Architectural Coating - 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					
Archit. Coating	0.1881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1123	0.1773	2.9000e-004		5.0500e-003	5.0500e-003		5.0500e-003	5.0500e-003	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560
Total	0.2048	0.1123	0.1773	2.9000e-004		5.0500e-003	5.0500e-003		5.0500e-003	5.0500e-003	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0194	6.0000e-005	0.0195	5.1500e-003	6.0000e-005	5.2100e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279
Total	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0194	6.0000e-005	0.0195	5.1500e-003	6.0000e-005	5.2100e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279

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	0.1881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9100e-003	0.0126	0.1796	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560
Total	0.1910	0.0126	0.1796	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.0219	25.0219	1.3600e-003	0.0000	25.0560

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0179	6.0000e-005	0.0179	4.7800e-003	6.0000e-005	4.8400e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279
Total	3.9400e-003	2.3600e-003	0.0385	1.3000e-004	0.0179	6.0000e-005	0.0179	4.7800e-003	6.0000e-005	4.8400e-003	0.0000	12.3403	12.3403	2.1000e-004	2.8000e-004	12.4279

3.5 Paving - 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	0.0256	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0341	0.2403	0.4082	6.4000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590
Total	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.6200e-003	2.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590

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	7.8500e-003	0.0340	0.4843	6.4000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.0340	0.4843	6.4000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	56.0539	56.0539	0.0181	0.0000	56.5071

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590
Total	9.4000e-004	5.6000e-004	9.1600e-003	3.0000e-005	4.2600e-003	2.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.9382	2.9382	5.0000e-005	7.0000e-005	2.9590

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	tons/yr										MT/yr					
Mitigated	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847

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

Unmitigated	1.1545	1.6139	12.2546	0.0307	4.1049	0.0203	4.1252	1.0958	0.0190	1.1149	0.0000	2,837.8005	2,837.8005	0.1388	0.1346	2,881.3847
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,976.40	2,197.80	1695.60	6,724,662	6,724,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,227.20	1,240.20	1111.50	4,143,394	4,143,394
Total	3,203.60	3,438.00	2,807.10	10,868,056	10,868,056

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	383.2956	383.2956	0.0324	3.9200e-003	385.2729
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	383.2956	383.2956	0.0324	3.9200e-003	385.2729
NaturalGas Mitigated	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.5900e-003	416.6336
NaturalGas Unmitigated	0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.5900e-003	416.6336

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.084e+006	0.0220	0.1882	0.0801	1.2000e-003		0.0152	0.0152		0.0152	0.0152	0.0000	217.9376	217.9376	4.1800e-003	4.0000e-003	219.2327
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.6773e+006	0.0198	0.1694	0.0721	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.2349	196.2349	3.7600e-003	3.6000e-003	197.4010
Total		0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.6000e-003	416.6336

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	4.084e+006	0.0220	0.1882	0.0801	1.2000e-003		0.0152	0.0152		0.0152	0.0152	0.0000	217.9376	217.9376	4.1800e-003	4.0000e-003	219.2327
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.6773e+006	0.0198	0.1694	0.0721	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.2349	196.2349	3.7600e-003	3.6000e-003	197.4010
Total		0.0419	0.3576	0.1522	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.1724	414.1724	7.9400e-003	7.6000e-003	416.6336

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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****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.12589e+006		199.6710	0.0169	2.0400e-003	200.7010
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.03541e+006		183.6246	0.0155	1.8800e-003	184.5719
Total			383.2956	0.0324	3.9200e-003	385.2729

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

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.12589e+006		199.6710	0.0169	2.0400e-003	200.7010
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.03541e+006		183.6246	0.0155	1.8800e-003	184.5719
Total			383.2956	0.0324	3.9200e-003	385.2729

6.0 Area Detail

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	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602
Unmitigated	3.4342	0.1512	6.6570	6.7000e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602

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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****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	0.1616					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3102	0.1037	2.5428	6.4900e-003		0.3819	0.3819		0.3819	0.3819	42.4876	81.6466	124.1343	0.1267	2.8800e-003	128.1613
Landscaping	0.1231	0.0474	4.1142	2.2000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	6.7384	6.7384	6.4200e-003	0.0000	6.8989
Total	3.4342	0.1512	6.6570	6.7100e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

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	0.1616					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3102	0.1037	2.5428	6.4900e-003		0.3819	0.3819		0.3819	0.3819	42.4876	81.6466	124.1343	0.1267	2.8800e-003	128.1613
Landscaping	0.1231	0.0474	4.1142	2.2000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	6.7384	6.7384	6.4200e-003	0.0000	6.8989
Total	3.4342	0.1512	6.6570	6.7100e-003		0.4048	0.4048		0.4048	0.4048	42.4876	88.3850	130.8726	0.1331	2.8800e-003	135.0602

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	100.8225	0.8570	0.0210	128.5059	

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

Unmitigated		100.8225	0.8570	0.0210	128.5059
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	17.5916 / 11.0903		68.0552	0.5785	0.0142	86.7415
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.47002 / 5.3398		32.7673	0.2785	6.8200e-003	41.7644
Total			100.8225	0.8570	0.0210	128.5059

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	17.5916 / 11.0903		68.0552	0.5785	0.0142	86.7415
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.47002 / 5.3398		32.7673	0.2785	6.8200e-003	41.7644
Total			100.8225	0.8570	0.0210	128.5059

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		56.1717	3.3197	0.0000	139.1629
Unmitigated		56.1717	3.3197	0.0000	139.1629

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	124.2		25.2115	1.4900	0.0000	62.4604
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	152.52		30.9602	1.8297	0.0000	76.7025
Total			56.1717	3.3197	0.0000	139.1629

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	124.2		25.2115	1.4900	0.0000	62.4604
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	152.52		30.9602	1.8297	0.0000	76.7025
Total			56.1717	3.3197	0.0000	139.1629

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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Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Annual

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

11.0 Vegetation

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.2 Construction Mitigated****Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	270.00	Dwelling Unit	18.94	270,000.00	772
Single Family Housing	130.00	Dwelling Unit	26.93	234,000.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	52.30
tblLandUse	LotAcreage	16.88	18.94
tblLandUse	LotAcreage	42.21	26.93
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

					PM10	PM10	Total	PM2.5	PM2.5	Total						
Year	lb/day										lb/day					
2027	12.1265	81.4432	75.5882	0.1891	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8245
2028	12.0572	30.1406	50.5096	0.1112	5.3876	1.1850	6.5726	1.4418	1.1294	2.5712	0.0000	10,925.0809	10,925.0809	1.1862	0.2951	11,042.6597
2029	11.9913	30.0747	49.9650	0.1101	5.3876	1.1837	6.5713	1.4418	1.1282	2.5700	0.0000	10,810.1155	10,810.1155	1.4313	0.2876	10,925.3519
Maximum	12.1265	81.4432	75.5882	0.1891	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8245

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	10.0464	9.9056	94.7429	0.1891	6.2286	0.3046	6.5332	3.0287	0.3044	3.3331	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8244
2028	9.9771	8.7830	52.9085	0.1112	4.9741	0.2068	5.1809	1.3403	0.2044	1.5446	0.0000	10,925.0809	10,925.0809	1.1862	0.2951	11,042.6597
2029	9.9112	8.7171	52.3639	0.1101	4.9741	0.2055	5.1796	1.3403	0.2032	1.5435	0.0000	10,810.1155	10,810.1155	1.4313	0.2876	10,925.3519
Maximum	10.0464	9.9056	94.7429	0.1891	6.2286	0.3046	6.5332	3.0287	0.3044	3.3331	0.0000	18,326.2874	18,326.2874	5.7935	0.3034	18,473.8244

Green Vally SP Phase 2 - 2.2 Construction - 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	17.25	80.65	-13.60	0.00	34.50	87.28	44.31	41.71	86.47	57.36	0.00	0.00	0.00	0.00	0.00	0.00

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846
Total	124.9656	19.6065	316.4825	0.7265	24.7898	31.0175	55.8073	6.6091	31.0100	37.6190	3,746.7674	29,458.8190	33,205.5863	12.1718	1.1591	33,855.3048

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846
Total	124.9656	19.6065	316.4825	0.7265	24.7898	31.0175	55.8073	6.6091	31.0100	37.6190	3,746.7674	29,458.8190	33,205.5863	12.1718	1.1591	33,855.3048

	ROG	NOx	CO	SO2	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	6/1/2027	7/28/2027	5	42	
2	Building Construction	Building Construction	7/29/2027	3/8/2029	5	421	
3	Architectural Coating	Architectural Coating	7/29/2027	3/8/2029	5	421	
4	Paving	Paving	3/9/2029	4/17/2029	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 52.3****Acres of Paving: 6.45****Residential Indoor: 1,020,600; Residential Outdoor: 340,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	4	6.00	78	0.48
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38

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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	359.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	72.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.2 Construction - 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	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.3648	0.0000	13.3648	6.7631	0.0000	6.7631			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.3648	3.2648	16.6296	6.7631	3.0037	9.7667		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1404	0.0743	1.4036	4.3200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303
Total	0.1404	0.0743	1.4036	4.3200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7134	0.0000	5.7134	2.8912	0.0000	2.8912			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.1848		0.3025	0.3025		0.3025	0.3025	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	2.2688	9.8313	93.3393	0.1848	5.7134	0.3025	6.0159	2.8912	0.3025	3.1937	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1404	0.0743	1.4036	4.3200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303
Total	0.1404	0.0743	1.4036	4.3200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		437.1361	437.1361	7.7400e-003	9.0600e-003	440.0303

3.3 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5700	0.0249	0.5949	0.1641	0.0239	0.1880		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0081	0.5333	10.0782	0.0311	4.0128	0.0151	4.0279	1.0642	0.0139	1.0781		3,138.6371	3,138.6371	0.0556	0.0651	3,159.4172
Total	1.1033	3.3594	11.2280	0.0455	4.5828	0.0400	4.6228	1.2283	0.0377	1.2661		4,673.9756	4,673.9756	0.0748	0.2903	4,762.3661

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0953	2.8261	1.1498	0.0145	0.5335	0.0249	0.5584	0.1552	0.0239	0.1790		1,535.3385	1,535.3385	0.0193	0.2253	1,602.9489
Worker	1.0081	0.5333	10.0782	0.0311	3.6988	0.0151	3.7139	0.9871	0.0139	1.0010		3,138.6371	3,138.6371	0.0556	0.0651	3,159.4172
Total	1.1033	3.3594	11.2280	0.0455	4.2323	0.0400	4.2723	1.1423	0.0377	1.1800		4,673.9756	4,673.9756	0.0748	0.2903	4,762.3661

3.3 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0945	2.8030	1.1434	0.0142	0.5700	0.0248	0.5948	0.1641	0.0237	0.1879		1,506.0326	1,506.0326	0.0199	0.2206	1,572.2555
Worker	0.9510	0.4899	9.5620	0.0302	4.0128	0.0141	4.0268	1.0642	0.0129	1.0772		3,056.3148	3,056.3148	0.0509	0.0621	3,076.0779
Total	1.0455	3.2929	10.7054	0.0444	4.5828	0.0389	4.6217	1.2283	0.0367	1.2650		4,562.3474	4,562.3474	0.0708	0.2826	4,648.3334

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0945	2.8030	1.1434	0.0142	0.5335	0.0248	0.5583	0.1552	0.0237	0.1789		1,506.0326	1,506.0326	0.0199	0.2206	1,572.2555
Worker	0.9510	0.4899	9.5620	0.0302	3.6988	0.0141	3.7129	0.9871	0.0129	1.0001		3,056.3148	3,056.3148	0.0509	0.0621	3,076.0779
Total	1.0455	3.2929	10.7054	0.0444	4.2323	0.0389	4.2712	1.1423	0.0367	1.1790		4,562.3474	4,562.3474	0.0708	0.2826	4,648.3334

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0939	2.7819	1.1384	0.0139	0.5700	0.0247	0.5947	0.1641	0.0236	0.1877		1,478.4456	1,478.4456	0.0205	0.2161	1,543.3656
Worker	0.8966	0.4526	9.1125	0.0295	4.0128	0.0131	4.0259	1.0642	0.0121	1.0763		2,983.5332	2,983.5332	0.0469	0.0595	3,002.4305
Total	0.9905	3.2345	10.2509	0.0434	4.5828	0.0378	4.6206	1.2283	0.0357	1.2640		4,461.9788	4,461.9788	0.0673	0.2756	4,545.7961

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0939	2.7819	1.1384	0.0139	0.5335	0.0247	0.5582	0.1552	0.0236	0.1788		1,478.4456	1,478.4456	0.0205	0.2161	1,543.3656
Worker	0.8966	0.4526	9.1125	0.0295	3.6988	0.0131	3.7119	0.9871	0.0121	0.9992		2,983.5332	2,983.5332	0.0469	0.0595	3,002.4305
Total	0.9905	3.2345	10.2509	0.0434	4.2323	0.0378	4.2701	1.1423	0.0357	1.1780		4,461.9788	4,461.9788	0.0673	0.2756	4,545.7961

3.4 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2022	0.1070	2.0212	6.2300e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		629.4760	629.4760	0.0112	0.0131	633.6436
Total	0.2022	0.1070	2.0212	6.2300e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		629.4760	629.4760	0.0112	0.0131	633.6436

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	7.7953	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2022	0.1070	2.0212	6.2300e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		629.4760	629.4760	0.0112	0.0131	633.6436
Total	0.2022	0.1070	2.0212	6.2300e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		629.4760	629.4760	0.0112	0.0131	633.6436

3.4 Architectural Coating - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1907	0.0983	1.9177	6.0600e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		612.9656	612.9656	0.0102	0.0124	616.9293
Total	0.1907	0.0983	1.9177	6.0600e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		612.9656	612.9656	0.0102	0.0124	616.9293

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	7.7953	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1907	0.0983	1.9177	6.0600e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		612.9656	612.9656	0.0102	0.0124	616.9293
Total	0.1907	0.0983	1.9177	6.0600e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		612.9656	612.9656	0.0102	0.0124	616.9293

3.4 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1798	0.0908	1.8276	5.9200e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		598.3688	598.3688	9.4000e-003	0.0119	602.1588
Total	0.1798	0.0908	1.8276	5.9200e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		598.3688	598.3688	9.4000e-003	0.0119	602.1588

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	7.7953	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1798	0.0908	1.8276	5.9200e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		598.3688	598.3688	9.4000e-003	0.0119	602.1588
Total	0.1798	0.0908	1.8276	5.9200e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		598.3688	598.3688	9.4000e-003	0.0119	602.1588

3.5 Paving - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0749	0.0378	0.7615	2.4700e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995
Total	0.0749	0.0378	0.7615	2.4700e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995

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	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

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	0.0749	0.0378	0.7615	2.4700e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995
Total	0.0749	0.0378	0.7615	2.4700e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		249.3203	249.3203	3.9200e-003	4.9700e-003	250.8995

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	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Unmitigated	7.9733	8.9682	79.3140	0.1933	24.7898	0.1207	24.9105	6.6091	0.1132	6.7223		19,697.7696	19,697.7696	0.8936	0.8590	19,976.0846
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,976.40	2,197.80	1695.60	6,724,662	6,724,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,227.20	1,240.20	1111.50	4,143,394	4,143,394
Total	3,203.60	3,438.00	2,807.10	10,868,056	10,868,056

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
NaturalGas Unmitigated	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - 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					
Apartments Low Rise	11189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10074.8	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	11.189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.0748	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

6.0 Area Detail

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Unmitigated	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - 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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.2 Construction Mitigated****Riverside-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
Apartments Low Rise	270.00	Dwelling Unit	18.94	270,000.00	772
Single Family Housing	130.00	Dwelling Unit	26.93	234,000.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Architectural Coating - Rule 113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	52.30
tblLandUse	LotAcreage	16.88	18.94
tblLandUse	LotAcreage	42.21	26.93
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

					PM10	PM10	Total	PM2.5	PM2.5	Total						
Year	lb/day										lb/day					
2027	12.0565	81.4459	75.3284	0.1887	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,285.5639	18,285.5639	5.7935	0.3059	18,433.1631
2028	11.9933	30.3322	48.4305	0.1079	5.3876	1.1851	6.5727	1.4418	1.1295	2.5712	0.0000	10,587.4695	10,587.4695	1.1863	0.2974	10,705.7662
2029	11.9331	30.2635	47.9899	0.1069	5.3876	1.1838	6.5714	1.4418	1.1283	2.5701	0.0000	10,480.8242	10,480.8242	1.4314	0.2899	10,596.7518
Maximum	12.0565	81.4459	75.3284	0.1887	13.9236	3.2669	17.1906	6.9113	3.0056	9.9169	0.0000	18,285.5639	18,285.5639	5.7935	0.3059	18,433.1631

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	9.9764	9.9083	94.4831	0.1887	6.2286	0.3046	6.5332	3.0287	0.3044	3.3331	0.0000	18,285.5638	18,285.5638	5.7935	0.3059	18,433.1631
2028	9.9132	8.9746	50.8294	0.1079	4.9741	0.2069	5.1810	1.3403	0.2044	1.5447	0.0000	10,587.4695	10,587.4695	1.1863	0.2974	10,705.7662
2029	9.8530	8.9059	50.3888	0.1069	4.9741	0.2056	5.1797	1.3403	0.2033	1.5435	0.0000	10,480.8242	10,480.8242	1.4314	0.2899	10,596.7518
Maximum	9.9764	9.9083	94.4831	0.1887	6.2286	0.3046	6.5332	3.0287	0.3044	3.3331	0.0000	18,285.5638	18,285.5638	5.7935	0.3059	18,433.1631

Green Vally SP Phase 2 - 2.2 Construction - 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	17.34	80.44	-13.95	0.00	34.50	87.28	44.31	41.71	86.47	57.36	0.00	0.00	0.00	0.00	0.00	0.00

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337
Total	123.7563	20.2118	307.7485	0.7125	24.7898	31.0176	55.8074	6.6091	31.0101	37.6191	3,746.7674	28,049.6505	31,796.4178	12.1885	1.1776	32,452.0540

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Energy	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
Mobile	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337
Total	123.7563	20.2118	307.7485	0.7125	24.7898	31.0176	55.8074	6.6091	31.0101	37.6191	3,746.7674	28,049.6505	31,796.4178	12.1885	1.1776	32,452.0540

	ROG	NOx	CO	SO2	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	6/1/2027	7/28/2027	5	42	
2	Building Construction	Building Construction	7/29/2027	3/8/2029	5	421	
3	Architectural Coating	Architectural Coating	7/29/2027	3/8/2029	5	421	
4	Paving	Paving	3/9/2029	4/17/2029	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 52.3****Acres of Paving: 6.45****Residential Indoor: 1,020,600; Residential Outdoor: 340,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	4	6.00	78	0.48
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38

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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	359.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	72.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.2 Construction - 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	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.3648	0.0000	13.3648	6.7631	0.0000	6.7631			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.3648	3.2648	16.6296	6.7631	3.0037	9.7667		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1331	0.0770	1.1438	3.9200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689
Total	0.1331	0.0770	1.1438	3.9200e-003	0.5589	2.1000e-003	0.5610	0.1482	1.9300e-003	0.1502		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7134	0.0000	5.7134	2.8912	0.0000	2.8912			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.1848		0.3025	0.3025		0.3025	0.3025	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	2.2688	9.8313	93.3393	0.1848	5.7134	0.3025	6.0159	2.8912	0.3025	3.1937	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

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	0.1331	0.0770	1.1438	3.9200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689
Total	0.1331	0.0770	1.1438	3.9200e-003	0.5152	2.1000e-003	0.5173	0.1375	1.9300e-003	0.1394		396.4125	396.4125	7.7900e-003	9.2700e-003	399.3689

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5700	0.0250	0.5950	0.1641	0.0239	0.1880		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9559	0.5526	8.2125	0.0282	4.0128	0.0151	4.0279	1.0642	0.0139	1.0781		2,846.2418	2,846.2418	0.0559	0.0665	2,867.4687
Total	1.0438	3.5505	9.4024	0.0427	4.5828	0.0401	4.6229	1.2283	0.0378	1.2661		4,385.4767	4,385.4767	0.0748	0.2926	4,474.5263

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0880	2.9978	1.1899	0.0145	0.5335	0.0250	0.5585	0.1552	0.0239	0.1791		1,539.2349	1,539.2349	0.0189	0.2260	1,607.0576
Worker	0.9559	0.5526	8.2125	0.0282	3.6988	0.0151	3.7139	0.9871	0.0139	1.0010		2,846.2418	2,846.2418	0.0559	0.0665	2,867.4687
Total	1.0438	3.5505	9.4024	0.0427	4.2323	0.0401	4.2724	1.1423	0.0378	1.1801		4,385.4767	4,385.4767	0.0748	0.2926	4,474.5263

3.3 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0872	2.9735	1.1836	0.0142	0.5700	0.0249	0.5949	0.1641	0.0238	0.1879		1,509.8680	1,509.8680	0.0195	0.2213	1,576.2985
Worker	0.9038	0.5075	7.7968	0.0274	4.0128	0.0141	4.0268	1.0642	0.0129	1.0772		2,771.9078	2,771.9078	0.0514	0.0634	2,792.0959
Total	0.9911	3.4810	8.9803	0.0416	4.5828	0.0390	4.6217	1.2283	0.0368	1.2651		4,281.7758	4,281.7758	0.0709	0.2847	4,368.3944

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0872	2.9735	1.1836	0.0142	0.5335	0.0249	0.5584	0.1552	0.0238	0.1790		1,509.8680	1,509.8680	0.0195	0.2213	1,576.2985
Worker	0.9038	0.5075	7.7968	0.0274	3.6988	0.0141	3.7129	0.9871	0.0129	1.0001		2,771.9078	2,771.9078	0.0514	0.0634	2,792.0959
Total	0.9911	3.4810	8.9803	0.0416	4.2323	0.0390	4.2712	1.1423	0.0368	1.1790		4,281.7758	4,281.7758	0.0709	0.2847	4,368.3944

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0866	2.9514	1.1786	0.0140	0.5700	0.0248	0.5948	0.1641	0.0237	0.1878		1,482.2198	1,482.2198	0.0201	0.2169	1,547.3432
Worker	0.8541	0.4687	7.4339	0.0268	4.0128	0.0131	4.0259	1.0642	0.0121	1.0763		2,706.1074	2,706.1074	0.0473	0.0608	2,725.4110
Total	0.9408	3.4201	8.6125	0.0407	4.5828	0.0379	4.6206	1.2283	0.0358	1.2641		4,188.3272	4,188.3272	0.0675	0.2777	4,272.7542

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0866	2.9514	1.1786	0.0140	0.5335	0.0248	0.5582	0.1552	0.0237	0.1788		1,482.2198	1,482.2198	0.0201	0.2169	1,547.3432
Worker	0.8541	0.4687	7.4339	0.0268	3.6988	0.0131	3.7119	0.9871	0.0121	0.9992		2,706.1074	2,706.1074	0.0473	0.0608	2,725.4110
Total	0.9408	3.4201	8.6125	0.0407	4.2323	0.0379	4.2701	1.1423	0.0358	1.1780		4,188.3272	4,188.3272	0.0675	0.2777	4,272.7542

3.4 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1917	0.1108	1.6471	5.6500e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		570.8340	570.8340	0.0112	0.0134	575.0912
Total	0.1917	0.1108	1.6471	5.6500e-003	0.8048	3.0300e-003	0.8078	0.2134	2.7800e-003	0.2162		570.8340	570.8340	0.0112	0.0134	575.0912

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	7.7953	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1917	0.1108	1.6471	5.6500e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		570.8340	570.8340	0.0112	0.0134	575.0912
Total	0.1917	0.1108	1.6471	5.6500e-003	0.7418	3.0300e-003	0.7449	0.1980	2.7800e-003	0.2008		570.8340	570.8340	0.0112	0.0134	575.0912

3.4 Architectural Coating - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1813	0.1018	1.5637	5.5000e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		555.9258	555.9258	0.0103	0.0127	559.9747
Total	0.1813	0.1018	1.5637	5.5000e-003	0.8048	2.8200e-003	0.8076	0.2134	2.6000e-003	0.2160		555.9258	555.9258	0.0103	0.0127	559.9747

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	7.7953	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1813	0.1018	1.5637	5.5000e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		555.9258	555.9258	0.0103	0.0127	559.9747
Total	0.1813	0.1018	1.5637	5.5000e-003	0.7418	2.8200e-003	0.7446	0.1980	2.6000e-003	0.2006		555.9258	555.9258	0.0103	0.0127	559.9747

3.4 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	8.3599	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1713	0.0940	1.4909	5.3700e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		542.7291	542.7291	9.4900e-003	0.0122	546.6005
Total	0.1713	0.0940	1.4909	5.3700e-003	0.8048	2.6300e-003	0.8074	0.2134	2.4200e-003	0.2159		542.7291	542.7291	9.4900e-003	0.0122	546.6005

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	7.6765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	7.7953	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1713	0.0940	1.4909	5.3700e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		542.7291	542.7291	9.4900e-003	0.0122	546.6005
Total	0.1713	0.0940	1.4909	5.3700e-003	0.7418	2.6300e-003	0.7445	0.1980	2.4200e-003	0.2004		542.7291	542.7291	9.4900e-003	0.0122	546.6005

3.5 Paving - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4338	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0714	0.0392	0.6212	2.2400e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502
Total	0.0714	0.0392	0.6212	2.2400e-003	0.3353	1.1000e-003	0.3364	0.0889	1.0100e-003	0.0899		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502

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	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

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	0.0714	0.0392	0.6212	2.2400e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502
Total	0.0714	0.0392	0.6212	2.2400e-003	0.3091	1.1000e-003	0.3102	0.0825	1.0100e-003	0.0835		226.1371	226.1371	3.9600e-003	5.0800e-003	227.7502

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	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Unmitigated	6.7639	9.5734	70.5799	0.1793	24.7898	0.1208	24.9106	6.6091	0.1133	6.7223		18,288.6011	18,288.6011	0.9103	0.8774	18,572.8337
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,976.40	2,197.80	1695.60	6,724,662	6,724,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,227.20	1,240.20	1111.50	4,143,394	4,143,394
Total	3,203.60	3,438.00	2,807.10	10,868,056	10,868,056

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930
NaturalGas Unmitigated	0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - 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					
Apartments Low Rise	11189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10074.8	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	11.189	0.1207	1.0312	0.4388	6.5800e-003		0.0834	0.0834		0.0834	0.0834		1,316.3564	1,316.3564	0.0252	0.0241	1,324.1788
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.0748	0.1087	0.9285	0.3951	5.9300e-003		0.0751	0.0751		0.0751	0.0751		1,185.2707	1,185.2707	0.0227	0.0217	1,192.3141
Total		0.2293	1.9596	0.8339	0.0125		0.1584	0.1584		0.1584	0.1584		2,501.6270	2,501.6270	0.0480	0.0459	2,516.4930

6.0 Area Detail

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	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273
Unmitigated	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - 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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.8854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.8144	8.2993	203.4207	0.5189		30.5553	30.5553		30.5553	30.5553	3,746.7674	7,200.0000	10,946.7674	11.1736	0.2543	11,301.8896
Landscaping	0.9845	0.3794	32.9140	1.7400e-003		0.1830	0.1830		0.1830	0.1830		59.4223	59.4223	0.0566		60.8378
Total	116.7631	8.6788	236.3347	0.5207		30.7383	30.7383		30.7383	30.7383	3,746.7674	7,259.4223	11,006.1897	11.2302	0.2543	11,362.7273

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.2 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.3 Construction Mitigated****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	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	299.00	Dwelling Unit	20.97	299,000.00	855
Single Family Housing	110.00	Dwelling Unit	22.79	198,000.00	315
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	57.10
tblLandUse	LotAcreage	18.69	20.97
tblLandUse	LotAcreage	35.71	22.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

Green Vally SP Phase 2 - 2.3 Construction - 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
Year	tons/yr										MT/yr					
2029	1.6921	5.2195	7.3054	0.0178	1.0859	0.2003	1.2862	0.3576	0.1886	0.5463	0.0000	1,590.0402	1,590.0402	0.2308	0.0434	1,608.7490
2030	1.4112	2.5969	5.7226	0.0141	0.7343	0.0507	0.7850	0.1970	0.0504	0.2474	0.0000	1,256.8475	1,256.8475	0.0362	0.0390	1,269.3848
Maximum	1.6921	5.2195	7.3054	0.0178	1.0859	0.2003	1.2862	0.3576	0.1886	0.5463	0.0000	1,590.0402	1,590.0402	0.2308	0.0434	1,608.7490

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					
2029	1.3337	1.3785	7.9703	0.0178	0.8624	0.0310	0.8934	0.2611	0.0306	0.2917	0.0000	1,590.0392	1,590.0392	0.2308	0.0434	1,608.7479
2030	1.1827	1.0758	5.9515	0.0141	0.6783	0.0186	0.6969	0.1833	0.0183	0.2016	0.0000	1,256.8467	1,256.8467	0.0362	0.0390	1,269.3840
Maximum	1.3337	1.3785	7.9703	0.0178	0.8624	0.0310	0.8934	0.2611	0.0306	0.2917	0.0000	1,590.0392	1,590.0392	0.2308	0.0434	1,608.7479

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

Percent Reduction	18.91	68.60	-6.86	0.00	15.35	80.23	23.22	19.88	79.53	37.85	0.00	0.00	0.00	0.00	0.00	0.00
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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2029	3-31-2029	2.3904	0.5119
2	4-1-2029	6-30-2029	1.4869	0.7252
3	7-1-2029	9-30-2029	1.5033	0.7332
4	10-1-2029	12-31-2029	1.5102	0.7401
5	1-1-2030	3-31-2030	1.2001	0.7057
6	4-1-2030	6-30-2030	1.2065	0.7067
7	7-1-2030	9-30-2030	1.2198	0.7144
		Highest	2.3904	0.7401

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	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031
Energy	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	1,906.8767	1,906.8767	0.1244	0.0241	1,917.1535
Mobile	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491
Waste						0.0000	0.0000		0.0000	0.0000	226.2456	0.0000	226.2456	13.3707	0.0000	560.5139
Water						0.0000	0.0000		0.0000	0.0000	14.3312	146.4078	160.7390	1.4843	0.0363	208.6504
Total	9.8828	7.4006	56.1528	0.1140	13.5348	0.5253	14.0602	3.6133	0.5208	4.1340	284.0204	11,768.6236	12,052.6441	15.7048	0.5980	12,623.4700

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

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	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031
Energy	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	1,906.8767	1,906.8767	0.1244	0.0241	1,917.1535
Mobile	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491
Waste						0.0000	0.0000		0.0000	0.0000	226.2456	0.0000	226.2456	13.3707	0.0000	560.5139
Water						0.0000	0.0000		0.0000	0.0000	14.3312	146.4078	160.7390	1.4843	0.0363	208.6504
Total	9.8828	7.4006	56.1528	0.1140	13.5348	0.5253	14.0602	3.6133	0.5208	4.1340	284.0204	11,768.6236	12,052.6441	15.7048	0.5980	12,623.4700

	ROG	NOx	CO	SO2	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	1/1/2029	2/27/2029	5	42	
2	Building Construction	Building Construction	2/28/2029	10/9/2030	5	421	
3	Architectural Coating	Architectural Coating	2/28/2029	10/9/2030	5	421	

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

4	Paving	Paving	10/10/2030	11/18/2030	5	28
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 57.1

Acres of Paving: 6.45

Residential Indoor: 1,006,425; Residential Outdoor: 335,475; Non-Residential Indoor: 225,420; Non-Residential Outdoor: 75,140; Striped Parking Area: 16,858 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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
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Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	482.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2832	0.0000	0.2832	0.1423	0.0000	0.1423	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1783	1.7088	1.5579	3.8800e-003		0.0686	0.0686		0.0631	0.0631	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596
Total	0.1783	1.7088	1.5579	3.8800e-003	0.2832	0.0686	0.3518	0.1423	0.0631	0.2054	0.0000	340.8041	340.8041	0.1102	0.0000	343.5596

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1000e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976
Total	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	4.0000e-005	3.1000e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976

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					0.1211	0.0000	0.1211	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.2065	1.9601	3.8800e-003		6.3500e-003	6.3500e-003		6.3500e-003	6.3500e-003	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592
Total	0.0476	0.2065	1.9601	3.8800e-003	0.1211	6.3500e-003	0.1274	0.0608	6.3500e-003	0.0672	0.0000	340.8037	340.8037	0.1102	0.0000	343.5592

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976
Total	2.3500e-003	1.4100e-003	0.0229	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	4.0000e-005	2.8800e-003	0.0000	7.3454	7.3454	1.3000e-004	1.6000e-004	7.3976

3.3 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	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227
Total	0.2695	2.4273	3.3562	5.3500e-003		0.1026	0.1026		0.0968	0.0968	0.0000	459.3306	459.3306	0.1037	0.0000	461.9227

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0153	0.4955	0.1964	2.3600e-003	0.0955	4.2000e-003	0.0997	0.0275	4.0100e-003	0.0316	0.0000	227.9662	227.9662	3.1300e-003	0.0333	237.9811
Worker	0.1180	0.0707	1.1505	4.0300e-003	0.5801	1.9300e-003	0.5820	0.1540	1.7700e-003	0.1558	0.0000	369.2232	369.2232	6.3200e-003	8.2600e-003	371.8430
Total	0.1333	0.5662	1.3469	6.3900e-003	0.6756	6.1300e-003	0.6817	0.1816	5.7800e-003	0.1874	0.0000	597.1894	597.1894	9.4500e-003	0.0416	609.8241

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	0.1035	0.5340	3.6086	5.3500e-003		0.0163	0.0163		0.0163	0.0163	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222
Total	0.1035	0.5340	3.6086	5.3500e-003		0.0163	0.0163		0.0163	0.0163	0.0000	459.3301	459.3301	0.1037	0.0000	461.9222

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

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	0.0153	0.4955	0.1964	2.3600e-003	0.0894	4.2000e-003	0.0936	0.0261	4.0100e-003	0.0301	0.0000	227.9662	227.9662	3.1300e-003	0.0333	237.9811
Worker	0.1180	0.0707	1.1505	4.0300e-003	0.5348	1.9300e-003	0.5368	0.1429	1.7700e-003	0.1447	0.0000	369.2232	369.2232	6.3200e-003	8.2600e-003	371.8430
Total	0.1333	0.5662	1.3469	6.3900e-003	0.6242	6.1300e-003	0.6303	0.1690	5.7800e-003	0.1748	0.0000	597.1894	597.1894	9.4500e-003	0.0416	609.8241

3.3 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	0.2411	1.5247	3.1440	5.6300e-003		0.0274	0.0274		0.0274	0.0274	0.0000	477.1478	477.1478	0.0194	0.0000	477.6330
Total	0.2411	1.5247	3.1440	5.6300e-003		0.0274	0.0274		0.0274	0.0274	0.0000	477.1478	477.1478	0.0194	0.0000	477.6330

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0141	0.4538	0.1806	2.1400e-003	0.0880	3.8500e-003	0.0919	0.0254	3.6800e-003	0.0291	0.0000	206.5796	206.5796	2.9700e-003	0.0302	215.6432
Worker	0.1028	0.0606	1.0167	3.6300e-003	0.5351	1.6600e-003	0.5367	0.1421	1.5300e-003	0.1436	0.0000	333.2429	333.2429	5.4000e-003	7.3400e-003	335.5654
Total	0.1168	0.5144	1.1973	5.7700e-003	0.6231	5.5100e-003	0.6286	0.1675	5.2100e-003	0.1727	0.0000	539.8225	539.8225	8.3700e-003	0.0375	551.2086

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	0.0842	0.4628	3.3184	5.6300e-003		0.0101	0.0101		0.0101	0.0101	0.0000	477.1472	477.1472	0.0194	0.0000	477.6324
Total	0.0842	0.4628	3.3184	5.6300e-003		0.0101	0.0101		0.0101	0.0101	0.0000	477.1472	477.1472	0.0194	0.0000	477.6324

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0141	0.4538	0.1806	2.1400e-003	0.0824	3.8500e-003	0.0863	0.0240	3.6800e-003	0.0277	0.0000	206.5796	206.5796	2.9700e-003	0.0302	215.6432
Worker	0.1028	0.0606	1.0167	3.6300e-003	0.4933	1.6600e-003	0.4950	0.1318	1.5300e-003	0.1334	0.0000	333.2429	333.2429	5.4000e-003	7.3400e-003	335.5654
Total	0.1168	0.5144	1.1973	5.7700e-003	0.5758	5.5100e-003	0.5813	0.1559	5.2100e-003	0.1611	0.0000	539.8225	539.8225	8.3700e-003	0.0375	551.2086

3.4 Architectural Coating - 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					
Archit. Coating	1.0104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0748	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850
Total	1.0852	0.5017	0.7924	1.3000e-003		0.0226	0.0226		0.0226	0.0226	0.0000	111.8325	111.8325	6.1000e-003	0.0000	111.9850

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0235	0.0141	0.2291	8.0000e-004	0.1155	3.8000e-004	0.1159	0.0307	3.5000e-004	0.0310	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600
Total	0.0235	0.0141	0.2291	8.0000e-004	0.1155	3.8000e-004	0.1159	0.0307	3.5000e-004	0.0310	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600

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	1.0104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0564	0.8026	1.3000e-003		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849
Total	1.0234	0.0564	0.8026	1.3000e-003		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	111.8324	111.8324	6.1000e-003	0.0000	111.9849

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0235	0.0141	0.2291	8.0000e-004	0.1065	3.8000e-004	0.1069	0.0285	3.5000e-004	0.0288	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600
Total	0.0235	0.0141	0.2291	8.0000e-004	0.1065	3.8000e-004	0.1069	0.0285	3.5000e-004	0.0288	0.0000	73.5382	73.5382	1.2600e-003	1.6500e-003	74.0600

3.4 Architectural Coating - 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					
Archit. Coating	0.9319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0528	0.3459	0.7263	1.2000e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	103.1515	103.1515	4.1700e-003	0.0000	103.2558
Total	0.9847	0.3459	0.7263	1.2000e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	103.1515	103.1515	4.1700e-003	0.0000	103.2558

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0205	0.0121	0.2025	7.2000e-004	0.1066	3.3000e-004	0.1069	0.0283	3.0000e-004	0.0286	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346
Total	0.0205	0.0121	0.2025	7.2000e-004	0.1066	3.3000e-004	0.1069	0.0283	3.0000e-004	0.0286	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346

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	0.9319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.0520	0.7403	1.2000e-003		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	103.1513	103.1513	4.1700e-003	0.0000	103.2557
Total	0.9439	0.0520	0.7403	1.2000e-003		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	103.1513	103.1513	4.1700e-003	0.0000	103.2557

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0205	0.0121	0.2025	7.2000e-004	0.0983	3.3000e-004	0.0986	0.0263	3.0000e-004	0.0266	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346
Total	0.0205	0.0121	0.2025	7.2000e-004	0.0983	3.3000e-004	0.0986	0.0263	3.0000e-004	0.0266	0.0000	66.3720	66.3720	1.0700e-003	1.4600e-003	66.8346

3.5 Paving - 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	0.0388	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0472	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951
Total	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951

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	7.8500e-003	0.0340	0.4843	7.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.0340	0.4843	7.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951
Total	8.9000e-004	5.2000e-004	8.7700e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	2.8750	2.8750	5.0000e-005	6.0000e-005	2.8951

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	tons/yr										MT/yr					
Mitigated	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491

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

Unmitigated	5.7729	6.7533	49.0760	0.1040	13.5348	0.0723	13.6071	3.6133	0.0677	3.6809	0.0000	9,624.9617	9,624.9617	0.5892	0.5348	9,799.0491
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,188.68	2,433.86	1877.72	7,446,941	7,446,941
City Park	2.61	6.57	7.34	11,086	11,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,038.40	1,049.40	940.50	3,505,949	3,505,949
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	19,276.59	30,182.56	27,842.67	35,834,934	35,834,934

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	1,346.0729	1,346.0729	0.1136	0.0138	1,353.0171
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,346.0729	1,346.0729	0.1136	0.0138	1,353.0171
NaturalGas Mitigated	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364
NaturalGas Unmitigated	0.0567	0.4927	0.2681	3.0900e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.52265e+006	0.0244	0.2084	0.0887	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	241.3457	241.3457	4.6300e-003	4.4200e-003	242.7799
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.11156e+006	0.0168	0.1434	0.0610	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.0449	166.0449	3.1800e-003	3.0400e-003	167.0316
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0567	0.4927	0.2681	3.1000e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	4.52265e+006	0.0244	0.2084	0.0887	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	241.3457	241.3457	4.6300e-003	4.4200e-003	242.7799
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.11156e+006	0.0168	0.1434	0.0610	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.0449	166.0449	3.1800e-003	3.0400e-003	167.0316
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0567	0.4927	0.2681	3.1000e-003		0.0392	0.0392		0.0392	0.0392	0.0000	560.8038	560.8038	0.0108	0.0103	564.1364

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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****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.24682e+006		221.1171	0.0187	2.2600e-003	222.2578
City Park	0		0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	876113		155.3747	0.0131	1.5900e-003	156.1762
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			1,346.0729	0.1136	0.0138	1,353.0171

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

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.24682e+006		221.1171	0.0187	2.2600e-003	222.2578
City Park	0		0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	876113		155.3747	0.0131	1.5900e-003	156.1762
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			1,346.0729	0.1136	0.0138	1,353.0171

6.0 Area Detail

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					

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

Mitigated	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031
Unmitigated	4.0532	0.1546	6.8087	6.8600e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031

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	0.2291					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3397	0.1061	2.6000	6.6300e-003		0.3905	0.3905		0.3905	0.3905	43.4436	83.4837	126.9273	0.1296	2.9500e-003	131.0449
Landscaping	0.1260	0.0485	4.2088	2.2000e-004		0.0234	0.0234		0.0234	0.0234	0.0000	6.8938	6.8938	6.5700e-003	0.0000	7.0582
Total	4.0532	0.1546	6.8087	6.8500e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031

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

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	0.2291					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3397	0.1061	2.6000	6.6300e-003		0.3905	0.3905		0.3905	0.3905	43.4436	83.4837	126.9273	0.1296	2.9500e-003	131.0449
Landscaping	0.1260	0.0485	4.2088	2.2000e-004		0.0234	0.0234		0.0234	0.0234	0.0000	6.8938	6.8938	6.5700e-003	0.0000	7.0582
Total	4.0532	0.1546	6.8087	6.8500e-003		0.4139	0.4139		0.4139	0.4139	43.4436	90.3775	133.8211	0.1361	2.9500e-003	138.1031

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	160.7390	1.4843	0.0363	208.6504	

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

Unmitigated		160.7390	1.4843	0.0363	208.6504
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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	19.4811 / 12.2815		75.3648	0.6406	0.0157	96.0582
City Park	0 / 3.99146		7.8644	6.6000e-004	8.0000e-005	7.9050
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.16694 / 4.51829		27.7262	0.2357	5.7700e-003	35.3391
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			160.7390	1.4843	0.0363	208.6504

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	19.4811 / 12.2815		75.3648	0.6406	0.0157	96.0582
City Park	0 / 3.99146		7.8644	6.6000e-004	8.0000e-005	7.9050
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.16694 / 4.51829		27.7262	0.2357	5.7700e-003	35.3391
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			160.7390	1.4843	0.0363	208.6504

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e	
	tons/yr	MT/yr			

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

Mitigated		226.2456	13.3707	0.0000	560.5139
Unmitigated		226.2456	13.3707	0.0000	560.5139

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	137.54		27.9194	1.6500	0.0000	69.1691
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	129.15		26.2163	1.5493	0.0000	64.9497
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			226.2456	13.3707	0.0000	560.5139

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	137.54		27.9194	1.6500	0.0000	69.1691
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	129.15		26.2163	1.5493	0.0000	64.9497
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			226.2456	13.3707	0.0000	560.5139

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

Equipment Type	Number
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11.0 Vegetation

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Green Vally SP Phase 2 - 2.3 Construction Mitigated****Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	299.00	Dwelling Unit	20.97	299,000.00	855
Single Family Housing	110.00	Dwelling Unit	22.79	198,000.00	315
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Grading - Project specific grading

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	57.10
tblLandUse	LotAcreage	18.69	20.97
tblLandUse	LotAcreage	35.71	22.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

Green Vally SP Phase 2 - 2.3 Construction - 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
Year	lb/day										lb/day					
2029	13.9606	81.4319	75.4537	0.1889	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600
2030	13.6434	23.4812	54.1315	0.1353	7.3445	0.6623	7.7550	1.9679	0.6622	2.3751	0.0000	13,285.7383	13,285.7383	0.3597	0.4210	13,420.1832
Maximum	13.9606	81.4319	75.4537	0.1889	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	11.8805	10.4341	94.6084	0.1889	6.7823	0.3043	7.0068	3.0343	0.3042	3.3385	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600
2030	11.6864	10.0577	55.9977	0.1353	6.7823	0.1740	6.9563	1.8299	0.1707	2.0006	0.0000	13,285.7382	13,285.7382	0.3597	0.4210	13,420.1832
Maximum	11.8805	10.4341	94.6084	0.1889	6.7823	0.3043	7.0068	3.0343	0.3042	3.3385	0.0000	18,304.6852	18,304.6852	5.7922	0.4309	18,451.9600

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Percent Reduction	14.62	80.47	-16.22	0.00	36.58	87.83	44.30	45.30	87.05	56.61	0.00	0.00	0.00	0.00	0.00	0.00
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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	lb/day										lb/day					
Area	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738
Total	175.1994	58.3330	622.2232	1.3472	99.4790	32.1700	131.6489	26.5215	32.1367	58.6582	3,831.0696	92,134.5308	95,965.6004	16.1421	4.5331	97,720.0171

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738
Total	175.1994	58.3330	622.2232	1.3472	99.4790	32.1700	131.6489	26.5215	32.1367	58.6582	3,831.0696	92,134.5308	95,965.6004	16.1421	4.5331	97,720.0171

	ROG	NOx	CO	SO2	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	1/1/2029	2/27/2029	5	42	
2	Building Construction	Building Construction	2/28/2029	10/9/2030	5	421	
3	Architectural Coating	Architectural Coating	2/28/2029	10/9/2030	5	421	
4	Paving	Paving	10/10/2030	11/18/2030	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 57.1****Acres of Paving: 6.45****Residential Indoor: 1,006,425; Residential Outdoor: 335,475; Non-Residential Indoor: 225,420; Non-Residential Outdoor: 75,140; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	482.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Architectural Coating	4	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.4860	0.0000	13.4860	6.7761	0.0000	6.7761			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4860	3.2648	16.7508	6.7761	3.0037	9.7798		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1249	0.0630	1.2692	4.1100e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658
Total	0.1249	0.0630	1.2692	4.1100e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7652	0.0000	5.7652	2.8968	0.0000	2.8968			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.1848		0.3025	0.3025		0.3025	0.3025	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	2.2688	9.8313	93.3393	0.1848	5.7652	0.3025	6.0677	2.8968	0.3025	3.1993	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1249	0.0630	1.2692	4.1100e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658
Total	0.1249	0.0630	1.2692	4.1100e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		415.5339	415.5339	6.5300e-003	8.2800e-003	418.1658

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1456	4.3136	1.7652	0.0216	0.8838	0.0383	0.9221	0.2545	0.0366	0.2911		2,292.4213	2,292.4213	0.0317	0.3351	2,393.0838
Worker	1.2037	0.6077	12.2347	0.0396	5.3876	0.0176	5.4052	1.4288	0.0162	1.4450		4,005.7465	4,005.7465	0.0629	0.0799	4,031.1184
Total	1.3494	4.9212	13.9998	0.0612	6.2714	0.0559	6.3273	1.6833	0.0528	1.7361		6,298.1677	6,298.1677	0.0946	0.4150	6,424.2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1456	4.3136	1.7652	0.0216	0.8272	0.0383	0.8654	0.2406	0.0366	0.2772		2,292.4213	2,292.4213	0.0317	0.3351	2,393.0838
Worker	1.2037	0.6077	12.2347	0.0396	4.9661	0.0176	4.9837	1.3254	0.0162	1.3416		4,005.7465	4,005.7465	0.0629	0.0799	4,031.1184
Total	1.3494	4.9212	13.9998	0.0612	5.7932	0.0559	5.8491	1.5659	0.0528	1.6187		6,298.1677	6,298.1677	0.0946	0.4150	6,424.2022

3.3 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1449	4.2829	1.7595	0.0212	0.8838	0.0381	0.9219	0.2545	0.0364	0.2909		2,252.1807	2,252.1807	0.0326	0.3287	2,350.9478
Worker	1.1357	0.5648	11.7189	0.0388	5.3876	0.0164	5.4040	1.4288	0.0151	1.4439		3,919.5332	3,919.5332	0.0581	0.0770	3,943.9197
Total	1.2806	4.8477	13.4783	0.0600	6.2714	0.0545	6.3259	1.6833	0.0516	1.7348		6,171.7139	6,171.7139	0.0907	0.4057	6,294.8675

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1449	4.2829	1.7595	0.0212	0.8272	0.0381	0.8652	0.2406	0.0364	0.2770		2,252.1807	2,252.1807	0.0326	0.3287	2,350.9478
Worker	1.1357	0.5648	11.7189	0.0388	4.9661	0.0164	4.9825	1.3254	0.0151	1.3405		3,919.5332	3,919.5332	0.0581	0.0770	3,943.9197
Total	1.2806	4.8477	13.4783	0.0600	5.7932	0.0545	5.8477	1.5659	0.0516	1.6175		6,171.7139	6,171.7139	0.0907	0.4057	6,294.8675

3.4 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.9104	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2398	0.1210	2.4368	7.8900e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		797.8250	797.8250	0.0125	0.0159	802.8784
Total	0.2398	0.1210	2.4368	7.8900e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		797.8250	797.8250	0.0125	0.0159	802.8784

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.3458	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2398	0.1210	2.4368	7.8900e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		797.8250	797.8250	0.0125	0.0159	802.8784
Total	0.2398	0.1210	2.4368	7.8900e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		797.8250	797.8250	0.0125	0.0159	802.8784

3.4 Architectural Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.7499	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2262	0.1125	2.3340	7.7200e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		780.6539	780.6539	0.0116	0.0153	785.5110
Total	0.2262	0.1125	2.3340	7.7200e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		780.6539	780.6539	0.0116	0.0153	785.5110

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.3458	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2262	0.1125	2.3340	7.7200e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		780.6539	780.6539	0.0116	0.0153	785.5110
Total	0.2262	0.1125	2.3340	7.7200e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		780.6539	780.6539	0.0116	0.0153	785.5110

3.5 Paving - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0707	0.0352	0.7294	2.4100e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722
Total	0.0707	0.0352	0.7294	2.4100e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722

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	0.5609	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0707	0.0352	0.7294	2.4100e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722
Total	0.0707	0.0352	0.7294	2.4100e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		243.9544	243.9544	3.6200e-003	4.7900e-003	245.4722

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	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Unmitigated	52.5298	46.7591	379.0865	0.7978	99.4790	0.5255	100.0044	26.5215	0.4922	27.0137		81,324.4480	81,324.4480	4.5942	4.2110	82,694.1738
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,188.68	2,433.86	1877.72	7,446,941	7,446,941
City Park	2.61	6.57	7.34	11,086	11,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,038.40	1,049.40	940.50	3,505,949	3,505,949
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	19,276.59	30,182.56	27,842.67	35,834,934	35,834,934

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
NaturalGas Unmitigated	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - 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					
Apartments Low Rise	12390.8	0.1336	1.1419	0.4859	7.2900e-003		0.0923	0.0923		0.0923	0.0923		1,457.7428	1,457.7428	0.0279	0.0267	1,466.4055
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8524.83	0.0919	0.7856	0.3343	5.0100e-003		0.0635	0.0635		0.0635	0.0635		1,002.9213	1,002.9213	0.0192	0.0184	1,008.8812
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

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

Mitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Unmitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - 2.3 Construction Mitigated

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	299.00	Dwelling Unit	20.97	299,000.00	855
Single Family Housing	110.00	Dwelling Unit	22.79	198,000.00	315
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Grading - Project specific grading

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	57.10
tblLandUse	LotAcreage	18.69	20.97
tblLandUse	LotAcreage	35.71	22.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

Green Vally SP Phase 2 - 2.3 Construction - 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
Year	lb/day										lb/day					
2029	13.8810	81.4342	75.2199	0.1885	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779
2030	13.5706	23.7663	51.6096	0.1310	7.3445	0.6623	7.7551	1.9679	0.6622	2.3752	0.0000	12,854.6541	12,854.6541	0.3600	0.4241	12,990.0361
Maximum	13.8810	81.4342	75.2199	0.1885	14.0448	3.2667	17.3115	6.9244	3.0053	9.9297	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	11.8009	10.7227	94.3747	0.1885	6.7823	0.3043	7.0069	3.0343	0.3042	3.3385	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779
2030	11.6137	10.3428	53.4758	0.1310	6.7823	0.1741	6.9564	1.8299	0.1708	2.0007	0.0000	12,854.6541	12,854.6541	0.3600	0.4241	12,990.0361
Maximum	11.8009	10.7227	94.3747	0.1885	6.7823	0.3043	7.0069	3.0343	0.3042	3.3385	0.0000	18,266.0465	18,266.0465	5.7923	0.4341	18,413.3779

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Percent Reduction	14.71	79.98	-16.57	0.00	36.58	87.82	44.30	45.30	87.05	56.61	0.00	0.00	0.00	0.00	0.00	0.00
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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	lb/day										lb/day					
Area	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764
Total	164.7516	61.4419	595.0714	1.2915	99.4790	32.1708	131.6498	26.5215	32.1375	58.6590	3,831.0696	86,516.2876	90,347.3572	16.3538	4.6303	92,136.0197

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Energy	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
Mobile	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764
Total	164.7516	61.4419	595.0714	1.2915	99.4790	32.1708	131.6498	26.5215	32.1375	58.6590	3,831.0696	86,516.2876	90,347.3572	16.3538	4.6303	92,136.0197

	ROG	NOx	CO	SO2	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	1/1/2029	2/27/2029	5	42	
2	Building Construction	Building Construction	2/28/2029	10/9/2030	5	421	
3	Architectural Coating	Architectural Coating	2/28/2029	10/9/2030	5	421	
4	Paving	Paving	10/10/2030	11/18/2030	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 57.1****Acres of Paving: 6.45****Residential Indoor: 1,006,425; Residential Outdoor: 335,475; Non-Residential Indoor: 225,420; Non-Residential Outdoor: 75,140; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	4	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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	482.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Architectural Coating	4	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.4860	0.0000	13.4860	6.7761	0.0000	6.7761			0.0000			0.0000
Off-Road	8.4897	81.3689	74.1846	0.1848		3.2648	3.2648		3.0037	3.0037		17,889.1514	17,889.1514	5.7857		18,033.7942
Total	8.4897	81.3689	74.1846	0.1848	13.4860	3.2648	16.7508	6.7761	3.0037	9.7798		17,889.1514	17,889.1514	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1190	0.0653	1.0354	3.7300e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837
Total	0.1190	0.0653	1.0354	3.7300e-003	0.5589	1.8300e-003	0.5607	0.1482	1.6800e-003	0.1499		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7652	0.0000	5.7652	2.8968	0.0000	2.8968			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.1848		0.3025	0.3025		0.3025	0.3025	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942
Total	2.2688	9.8313	93.3393	0.1848	5.7652	0.3025	6.0677	2.8968	0.3025	3.1993	0.0000	17,889.1513	17,889.1513	5.7857		18,033.7942

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1190	0.0653	1.0354	3.7300e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837
Total	0.1190	0.0653	1.0354	3.7300e-003	0.5152	1.8300e-003	0.5170	0.1375	1.6800e-003	0.1392		376.8952	376.8952	6.5900e-003	8.4700e-003	379.5837

3.3 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696
Total	2.4611	22.1674	30.6499	0.0489		0.9373	0.9373		0.8841	0.8841		4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1344	4.5764	1.8275	0.0216	0.8838	0.0384	0.9222	0.2545	0.0367	0.2912		2,298.2734	2,298.2734	0.0312	0.3362	2,399.2513
Worker	1.1468	0.6292	9.9809	0.0359	5.3876	0.0176	5.4052	1.4288	0.0162	1.4450		3,633.2695	3,633.2695	0.0636	0.0816	3,659.1869
Total	1.2811	5.2056	11.8084	0.0576	6.2714	0.0560	6.3274	1.6833	0.0529	1.7362		5,931.5430	5,931.5430	0.0947	0.4179	6,058.4382

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	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696
Total	0.9456	4.8768	32.9557	0.0489		0.1493	0.1493		0.1493	0.1493	0.0000	4,623.9758	4,623.9758	1.0438		4,650.0696

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1344	4.5764	1.8275	0.0216	0.8272	0.0384	0.8656	0.2406	0.0367	0.2773		2,298.2734	2,298.2734	0.0312	0.3362	2,399.2513
Worker	1.1468	0.6292	9.9809	0.0359	4.9661	0.0176	4.9837	1.3254	0.0162	1.3416		3,633.2695	3,633.2695	0.0636	0.0816	3,659.1869
Total	1.2811	5.2056	11.8084	0.0576	5.7932	0.0560	5.8492	1.5659	0.0529	1.6188		5,931.5430	5,931.5430	0.0947	0.4179	6,058.4382

3.3 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1337	4.5442	1.8219	0.0212	0.8838	0.0382	0.9220	0.2545	0.0366	0.2910		2,257.9430	2,257.9430	0.0321	0.3298	2,357.0196
Worker	1.0844	0.5846	9.5638	0.0352	5.3876	0.0164	5.4040	1.4288	0.0151	1.4439		3,555.2426	3,555.2426	0.0588	0.0787	3,580.1524
Total	1.2181	5.1288	11.3857	0.0564	6.2714	0.0546	6.3261	1.6833	0.0517	1.7349		5,813.1856	5,813.1856	0.0909	0.4084	5,937.1719

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1337	4.5442	1.8219	0.0212	0.8272	0.0382	0.8654	0.2406	0.0366	0.2771		2,257.9430	2,257.9430	0.0321	0.3298	2,357.0196
Worker	1.0844	0.5846	9.5638	0.0352	4.9661	0.0164	4.9825	1.3254	0.0151	1.3405		3,555.2426	3,555.2426	0.0588	0.0787	3,580.1524
Total	1.2181	5.1288	11.3857	0.0564	5.7932	0.0546	5.8479	1.5659	0.0517	1.6176		5,813.1856	5,813.1856	0.0909	0.4084	5,937.1719

3.4 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.9104	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2284	0.1253	1.9879	7.1600e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		723.6387	723.6387	0.0127	0.0163	728.8007
Total	0.2284	0.1253	1.9879	7.1600e-003	1.0731	3.5100e-003	1.0766	0.2846	3.2300e-003	0.2878		723.6387	723.6387	0.0127	0.0163	728.8007

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275
Total	9.3458	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0614		1,127.3275

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2284	0.1253	1.9879	7.1600e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		723.6387	723.6387	0.0127	0.0163	728.8007
Total	0.2284	0.1253	1.9879	7.1600e-003	0.9891	3.5100e-003	0.9926	0.2640	3.2300e-003	0.2672		723.6387	723.6387	0.0127	0.0163	728.8007

3.4 Architectural Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.7499	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2160	0.1164	1.9048	7.0100e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		708.0981	708.0981	0.0117	0.0157	713.0594
Total	0.2160	0.1164	1.9048	7.0100e-003	1.0731	3.2700e-003	1.0763	0.2846	3.0100e-003	0.2876		708.0981	708.0981	0.0117	0.0157	713.0594

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	9.2269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	9.3458	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2160	0.1164	1.9048	7.0100e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		708.0981	708.0981	0.0117	0.0157	713.0594
Total	0.2160	0.1164	1.9048	7.0100e-003	0.9891	3.2700e-003	0.9924	0.2640	3.0100e-003	0.2670		708.0981	708.0981	0.0117	0.0157	713.0594

3.5 Paving - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0675	0.0364	0.5953	2.1900e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311
Total	0.0675	0.0364	0.5953	2.1900e-003	0.3353	1.0200e-003	0.3364	0.0889	9.4000e-004	0.0899		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311

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	0.5609	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

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	0.0675	0.0364	0.5953	2.1900e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311
Total	0.0675	0.0364	0.5953	2.1900e-003	0.3091	1.0200e-003	0.3101	0.0825	9.4000e-004	0.0834		221.2807	221.2807	3.6600e-003	4.9000e-003	222.8311

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	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Unmitigated	42.0820	49.8680	351.9348	0.7422	99.4790	0.5263	100.0052	26.5215	0.4930	27.0145		75,706.2048	75,706.2048	4.8059	4.3081	77,110.1764
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,188.68	2,433.86	1877.72	7,446,941	7,446,941
City Park	2.61	6.57	7.34	11,086	11,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,038.40	1,049.40	940.50	3,505,949	3,505,949
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	19,276.59	30,182.56	27,842.67	35,834,934	35,834,934

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

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	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189
NaturalGas Unmitigated	0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - 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					
Apartments Low Rise	12390.8	0.1336	1.1419	0.4859	7.2900e-003		0.0923	0.0923		0.0923	0.0923		1,457.7428	1,457.7428	0.0279	0.0267	1,466.4055
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8524.83	0.0919	0.7856	0.3343	5.0100e-003		0.0635	0.0635		0.0635	0.0635		1,002.9213	1,002.9213	0.0192	0.0184	1,008.8812
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.3105	2.6997	1.4689	0.0169		0.2145	0.2145		0.2145	0.2145		3,387.2899	3,387.2899	0.0649	0.0621	3,407.4189

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

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

Mitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244
Unmitigated	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

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					
Architectoral Coating	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	1.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.9232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1727	8.4861	207.9977	0.5306		31.2428	31.2428		31.2428	31.2428	3,831.0696	7,362.0000	11,193.0696	11.4250	0.2600	11,556.1821
Landscaping	1.0081	0.3881	33.6701	1.7800e-003		0.1872	0.1872		0.1872	0.1872		60.7929	60.7929	0.0580		62.2424
Total	122.3591	8.8742	241.6678	0.5324		31.4300	31.4300		31.4300	31.4300	3,831.0696	7,422.7929	11,253.8626	11.4830	0.2600	11,618.4244

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.3 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

Green Vally SP Phase 2 - 2.4 Construction Mitigated

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	330.00	Dwelling Unit	23.15	330,000.00	944
Single Family Housing	77.00	Dwelling Unit	15.95	138,600.00	220
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2035
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	67.40
tblLandUse	LotAcreage	20.63	23.15
tblLandUse	LotAcreage	25.00	15.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.3685	2.3793	4.6536	0.0139	0.9415	0.0558	0.9973	0.3182	0.0555	0.3737	0.0000	1,303.3321	1,303.3321	0.0380	0.0370	1,315.2936
2031	2.7401	3.5983	7.8930	0.0225	1.5216	0.0585	1.5801	0.4087	0.0578	0.4665	0.0000	2,084.7836	2,084.7836	0.0499	0.0854	2,111.4922
2032	0.5705	0.8864	1.9485	5.0700e-003	0.2961	0.0204	0.3165	0.0795	0.0203	0.0998	0.0000	466.6372	466.6372	0.0126	0.0161	471.7588
Maximum	2.7401	3.5983	7.8930	0.0225	1.5216	0.0585	1.5801	0.4087	0.0578	0.4665	0.0000	2,084.7836	2,084.7836	0.0499	0.0854	2,111.4922

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					
2030	1.1031	0.9901	5.4404	0.0139	0.7265	0.0183	0.7447	0.2242	0.0180	0.2421	0.0000	1,303.3313	1,303.3313	0.0380	0.0370	1,315.2927
2031	2.4848	1.8466	8.1365	0.0225	1.4057	0.0276	1.4333	0.3802	0.0269	0.4072	0.0000	2,084.7827	2,084.7827	0.0499	0.0854	2,111.4913
2032	0.4906	0.3855	2.0356	5.0700e-003	0.2736	6.3000e-003	0.2799	0.0740	6.1700e-003	0.0802	0.0000	466.6370	466.6370	0.0126	0.0161	471.7585
Maximum	2.4848	1.8466	8.1365	0.0225	1.4057	0.0276	1.4333	0.3802	0.0269	0.4072	0.0000	2,084.7827	2,084.7827	0.0499	0.0854	2,111.4913

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.84	53.06	-7.71	0.00	12.81	61.29	15.07	15.87	61.79	22.40	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	6-2-2031	9-1-2031	1.5889	1.0835
2	9-2-2031	12-1-2031	1.5803	1.0804
3	12-2-2031	3-1-2032	1.5797	1.0799
4	3-2-2032	6-1-2032	0.4090	0.1593
		Highest	1.5889	1.0835

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	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449
Energy	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	2,973.7025	2,973.7025	0.1963	0.0372	2,989.7009
Mobile	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701
Waste						0.0000	0.0000		0.0000	0.0000	393.6583	0.0000	393.6583	23.2645	0.0000	975.2719
Water						0.0000	0.0000		0.0000	0.0000	20.3008	285.6898	305.9906	2.1092	0.0522	374.2630
Total	15.3322	11.6563	89.9015	0.1977	25.2811	0.5910	25.8721	6.7481	0.5835	7.3316	457.1903	21,913.2487	22,370.4390	26.6506	0.9807	23,328.9507

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

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	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449
Energy	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	2,973.7025	2,973.7025	0.1963	0.0372	2,989.7009
Mobile	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701
Waste						0.0000	0.0000		0.0000	0.0000	393.6583	0.0000	393.6583	23.2645	0.0000	975.2719
Water						0.0000	0.0000		0.0000	0.0000	20.3008	285.6898	305.9906	2.1092	0.0522	374.2630
Total	15.3322	11.6563	89.9015	0.1977	25.2811	0.5910	25.8721	6.7481	0.5835	7.3316	457.1903	21,913.2487	22,370.4390	26.6506	0.9807	23,328.9507

	ROG	NOx	CO	SO2	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	6/3/2030	7/30/2030	5	42	
2	Building Construction	Building Construction	7/31/2030	3/10/2032	5	421	
3	Architectural Coating	Architectural Coating	7/31/2030	3/10/2032	5	421	

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

4	Paving	Paving	3/11/2032	4/19/2032	5	28
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 67.4

Acres of Paving: 6.45

Residential Indoor: 948,915; Residential Outdoor: 316,305; Non-Residential Indoor: 1,205,520; Non-Residential Outdoor: 401,840; Striped Parking Area: 16,858 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	4	6.00	78	0.48
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38

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
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	767.00	245.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	153.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Grading - 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					
Fugitive Dust					0.2887	0.0000	0.2887	0.1429	0.0000	0.1429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2054	0.8574	1.2760	4.2400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	409.3821	409.3821	0.0166	0.0000	409.7959
Total	0.2054	0.8574	1.2760	4.2400e-003	0.2887	0.0309	0.3196	0.1429	0.0309	0.1738	0.0000	409.3821	409.3821	0.0166	0.0000	409.7959

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	3.0000e-005	3.1000e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392
Total	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0115	4.0000e-005	0.0116	3.0600e-003	3.0000e-005	3.1000e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392

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					0.1234	0.0000	0.1234	0.0611	0.0000	0.0611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.2065	1.9601	4.2400e-003		6.3500e-003	6.3500e-003		6.3500e-003	6.3500e-003	0.0000	409.3816	409.3816	0.0166	0.0000	409.7954
Total	0.0476	0.2065	1.9601	4.2400e-003	0.1234	6.3500e-003	0.1298	0.0611	6.3500e-003	0.0674	0.0000	409.3816	409.3816	0.0166	0.0000	409.7954

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	3.0000e-005	2.8800e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392
Total	2.2300e-003	1.3100e-003	0.0223	8.0000e-005	0.0106	4.0000e-005	0.0107	2.8400e-003	3.0000e-005	2.8800e-003	0.0000	7.6891	7.6891	1.2000e-004	1.6000e-004	7.7392

3.3 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	0.1313	0.8303	1.7121	3.0600e-003		0.0149	0.0149		0.0149	0.0149	0.0000	259.8330	259.8330	0.0106	0.0000	260.0972
Total	0.1313	0.8303	1.7121	3.0600e-003		0.0149	0.0149		0.0149	0.0149	0.0000	259.8330	259.8330	0.0106	0.0000	260.0972

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0136	0.4387	0.1746	2.0700e-003	0.0851	3.7200e-003	0.0888	0.0246	3.5600e-003	0.0281	0.0000	199.7174	199.7174	2.8700e-003	0.0292	208.4798
Worker	0.0895	0.0527	0.8948	3.1500e-003	0.4637	1.4600e-003	0.4651	0.1231	1.3400e-003	0.1245	0.0000	308.9169	308.9169	4.6800e-003	6.3600e-003	310.9294
Total	0.1031	0.4914	1.0693	5.2200e-003	0.5488	5.1800e-003	0.5540	0.1477	4.9000e-003	0.1526	0.0000	508.6342	508.6342	7.5500e-003	0.0355	519.4093

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	0.0459	0.2520	1.8071	3.0600e-003		5.5200e-003	5.5200e-003		5.5200e-003	5.5200e-003	0.0000	259.8326	259.8326	0.0106	0.0000	260.0969
Total	0.0459	0.2520	1.8071	3.0600e-003		5.5200e-003	5.5200e-003		5.5200e-003	5.5200e-003	0.0000	259.8326	259.8326	0.0106	0.0000	260.0969

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0136	0.4387	0.1746	2.0700e-003	0.0797	3.7200e-003	0.0834	0.0232	3.5600e-003	0.0268	0.0000	199.7174	199.7174	2.8700e-003	0.0292	208.4798
Worker	0.0895	0.0527	0.8948	3.1500e-003	0.4275	1.4600e-003	0.4289	0.1142	1.3400e-003	0.1156	0.0000	308.9169	308.9169	4.6800e-003	6.3600e-003	310.9294
Total	0.1031	0.4914	1.0693	5.2200e-003	0.5072	5.1800e-003	0.5124	0.1375	4.9000e-003	0.1424	0.0000	508.6342	508.6342	7.5500e-003	0.0355	519.4093

3.3 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	0.3115	1.9700	4.0622	7.2700e-003		0.0354	0.0354		0.0354	0.0354	0.0000	616.5127	616.5127	0.0251	0.0000	617.1396
Total	0.3115	1.9700	4.0622	7.2700e-003		0.0354	0.0354		0.0354	0.0354	0.0000	616.5127	616.5127	0.0251	0.0000	617.1396

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0321	1.0412	0.4146	4.8300e-003	0.2020	8.5200e-003	0.2105	0.0583	8.1500e-003	0.0664	0.0000	465.7345	465.7345	6.9800e-003	0.0679	486.1451
Worker	0.2005	0.1168	2.0656	7.3400e-003	1.1002	3.2800e-003	1.1034	0.2921	3.0200e-003	0.2952	0.0000	724.6954	724.6954	0.0104	0.0146	729.3110
Total	0.2326	1.1580	2.4803	0.0122	1.3021	0.0118	1.3139	0.3504	0.0112	0.3616	0.0000	1,190.4299	1,190.4299	0.0173	0.0825	1,215.4561

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	0.1088	0.5980	4.2877	7.2700e-003		0.0131	0.0131		0.0131	0.0131	0.0000	616.5120	616.5120	0.0251	0.0000	617.1389
Total	0.1088	0.5980	4.2877	7.2700e-003		0.0131	0.0131		0.0131	0.0131	0.0000	616.5120	616.5120	0.0251	0.0000	617.1389

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0321	1.0412	0.4146	4.8300e-003	0.1891	8.5200e-003	0.1976	0.0551	8.1500e-003	0.0633	0.0000	465.7345	465.7345	6.9800e-003	0.0679	486.1451
Worker	0.2005	0.1168	2.0656	7.3400e-003	1.0143	3.2800e-003	1.0176	0.2711	3.0200e-003	0.2741	0.0000	724.6954	724.6954	0.0104	0.0146	729.3110
Total	0.2326	1.1580	2.4803	0.0122	1.2034	0.0118	1.2152	0.3262	0.0112	0.3373	0.0000	1,190.4299	1,190.4299	0.0173	0.0825	1,215.4561

3.3 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	0.0597	0.3774	0.7782	1.3900e-003		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003	0.0000	118.1059	118.1059	4.8000e-003	0.0000	118.2260
Total	0.0597	0.3774	0.7782	1.3900e-003		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003	0.0000	118.1059	118.1059	4.8000e-003	0.0000	118.2260

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.1500e-003	0.1983	0.0795	9.1000e-004	0.0387	1.6300e-003	0.0403	0.0112	1.5500e-003	0.0127	0.0000	87.9235	87.9235	1.3700e-003	0.0128	91.7730
Worker	0.0364	0.0210	0.3825	1.3800e-003	0.2108	5.9000e-004	0.2114	0.0560	5.4000e-004	0.0565	0.0000	137.2189	137.2189	1.8500e-003	2.7200e-003	138.0762
Total	0.0425	0.2194	0.4620	2.2900e-003	0.2495	2.2200e-003	0.2517	0.0671	2.0900e-003	0.0692	0.0000	225.1424	225.1424	3.2200e-003	0.0155	229.8491

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	0.0209	0.1146	0.8214	1.3900e-003		2.5100e-003	2.5100e-003		2.5100e-003	2.5100e-003	0.0000	118.1058	118.1058	4.8000e-003	0.0000	118.2258
Total	0.0209	0.1146	0.8214	1.3900e-003		2.5100e-003	2.5100e-003		2.5100e-003	2.5100e-003	0.0000	118.1058	118.1058	4.8000e-003	0.0000	118.2258

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.1500e-003	0.1983	0.0795	9.1000e-004	0.0362	1.6300e-003	0.0379	0.0106	1.5500e-003	0.0121	0.0000	87.9235	87.9235	1.3700e-003	0.0128	91.7730
Worker	0.0364	0.0210	0.3825	1.3800e-003	0.1943	5.9000e-004	0.1949	0.0519	5.4000e-004	0.0525	0.0000	137.2189	137.2189	1.8500e-003	2.7200e-003	138.0762
Total	0.0425	0.2194	0.4620	2.2900e-003	0.2305	2.2200e-003	0.2328	0.0625	2.0900e-003	0.0646	0.0000	225.1424	225.1424	3.2200e-003	0.0155	229.8491

3.4 Architectural Coating - 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					
Archit. Coating	0.8799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.1884	0.3955	6.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	56.1716	56.1716	2.2700e-003	0.0000	56.2284
Total	0.9087	0.1884	0.3955	6.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	56.1716	56.1716	2.2700e-003	0.0000	56.2284

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0179	0.0105	0.1785	6.3000e-004	0.0925	2.9000e-004	0.0928	0.0246	2.7000e-004	0.0248	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237
Total	0.0179	0.0105	0.1785	6.3000e-004	0.0925	2.9000e-004	0.0928	0.0246	2.7000e-004	0.0248	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237

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	0.8799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5400e-003	0.0283	0.4031	6.5000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	56.1715	56.1715	2.2700e-003	0.0000	56.2284
Total	0.8865	0.0283	0.4031	6.5000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	56.1715	56.1715	2.2700e-003	0.0000	56.2284

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0179	0.0105	0.1785	6.3000e-004	0.0853	2.9000e-004	0.0856	0.0228	2.7000e-004	0.0231	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237
Total	0.0179	0.0105	0.1785	6.3000e-004	0.0853	2.9000e-004	0.0856	0.0228	2.7000e-004	0.0231	0.0000	61.6223	61.6223	9.3000e-004	1.2700e-003	62.0237

3.4 Architectural Coating - 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					
Archit. Coating	2.0878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0683	0.4470	0.9384	1.5500e-003		0.0106	0.0106		0.0106	0.0106	0.0000	133.2799	133.2799	5.3900e-003	0.0000	133.4147
Total	2.1561	0.4470	0.9384	1.5500e-003		0.0106	0.0106		0.0106	0.0106	0.0000	133.2799	133.2799	5.3900e-003	0.0000	133.4147

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0400	0.0233	0.4121	1.4600e-003	0.2195	6.5000e-004	0.2201	0.0583	6.0000e-004	0.0589	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819
Total	0.0400	0.0233	0.4121	1.4600e-003	0.2195	6.5000e-004	0.2201	0.0583	6.0000e-004	0.0589	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819

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	2.0878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.0672	0.9565	1.5500e-003		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	133.2797	133.2797	5.3900e-003	0.0000	133.4145
Total	2.1033	0.0672	0.9565	1.5500e-003		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	133.2797	133.2797	5.3900e-003	0.0000	133.4145

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0400	0.0233	0.4121	1.4600e-003	0.2023	6.5000e-004	0.2030	0.0541	6.0000e-004	0.0547	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819
Total	0.0400	0.0233	0.4121	1.4600e-003	0.2023	6.5000e-004	0.2030	0.0541	6.0000e-004	0.0547	0.0000	144.5612	144.5612	2.0700e-003	2.9200e-003	145.4819

3.4 Architectural Coating - 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					
Archit. Coating	0.4000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0856	0.1798	3.0000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5584
Total	0.4130	0.0856	0.1798	3.0000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5584

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0420	1.2000e-004	0.0422	0.0112	1.1000e-004	0.0113	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432
Total	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0420	1.2000e-004	0.0422	0.0112	1.1000e-004	0.0113	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432

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	0.4000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9700e-003	0.0129	0.1832	3.0000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5583
Total	0.4029	0.0129	0.1832	3.0000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	25.5325	25.5325	1.0300e-003	0.0000	25.5583

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0388	1.2000e-004	0.0389	0.0104	1.1000e-004	0.0105	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432
Total	7.2500e-003	4.1900e-003	0.0763	2.8000e-004	0.0388	1.2000e-004	0.0389	0.0104	1.1000e-004	0.0105	0.0000	27.3722	27.3722	3.7000e-004	5.4000e-004	27.5432

3.5 Paving - 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	0.0388	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0472	0.1994	0.4438	7.9000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5577

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244
Total	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.6200e-003	1.0000e-005	4.6300e-003	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244

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	7.8500e-003	0.0340	0.4843	7.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576
Paving	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.0340	0.4843	7.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	67.4786	67.4786	3.1600e-003	0.0000	67.5576

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244
Total	8.0000e-004	4.6000e-004	8.3800e-003	3.0000e-005	4.2600e-003	1.0000e-005	4.2700e-003	1.1400e-003	1.0000e-005	1.1500e-003	0.0000	3.0056	3.0056	4.0000e-005	6.0000e-005	3.0244

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	tons/yr										MT/yr					
Mitigated	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701

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

Unmitigated	8.6484	10.7528	82.6287	0.1863	25.2811	0.1205	25.4016	6.7481	0.1130	6.8611	0.0000	18,563.9046	18,563.9046	0.9451	0.8884	18,852.2701
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,415.60	2,686.20	2072.40	8,219,031	8,219,031
City Park	2.61	6.57	7.34	11,086	11,086
Elementary School	12,754.37	0.00	0.00	31,397,463	31,397,463
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	726.88	734.58	658.35	2,454,164	2,454,164
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	31,946.36	30,120.08	27,755.20	66,952,703	66,952,703

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
City Park	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Elementary School	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Other Asphalt Surfaces	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Single Family Housing	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Supermarket	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,134.6875	2,134.6875	0.1802	0.0218	2,145.7000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,134.6875	2,134.6875	0.1802	0.0218	2,145.7000
NaturalGas Mitigated	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008
NaturalGas Unmitigated	0.0848	0.7496	0.4928	4.6200e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.99155e+006	0.0269	0.2300	0.0979	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.3681	266.3681	5.1100e-003	4.8800e-003	267.9510
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
Elementary School	5.67805e+006	0.0306	0.2783	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.0022	303.0022	5.8100e-003	5.5600e-003	304.8028
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.17809e+006	0.0117	0.1004	0.0427	6.4000e-004		8.1100e-003	8.1100e-003		8.1100e-003	8.1100e-003	0.0000	116.2314	116.2314	2.2300e-003	2.1300e-003	116.9221
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0848	0.7496	0.4928	4.6300e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.99155e+006	0.0269	0.2300	0.0979	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.3681	266.3681	5.1100e-003	4.8800e-003	267.9510
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
Elementary School	5.67805e+006	0.0306	0.2783	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.0022	303.0022	5.8100e-003	5.5600e-003	304.8028
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.17809e+006	0.0117	0.1004	0.0427	6.4000e-004		8.1100e-003	8.1100e-003		8.1100e-003	8.1100e-003	0.0000	116.2314	116.2314	2.2300e-003	2.1300e-003	116.9221
Supermarket	2.87486e+006	0.0155	0.1409	0.1184	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.4133	153.4133	2.9400e-003	2.8100e-003	154.3249
Total		0.0848	0.7496	0.4928	4.6300e-003		0.0586	0.0586		0.0586	0.0586	0.0000	839.0150	839.0150	0.0161	0.0154	844.0008

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	1.37608e+006		244.0423	0.0206	2.5000e-003	245.3013
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	4.58033e+006		812.3018	0.0686	8.3100e-003	816.4924
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	613279		108.7623	9.1800e-003	1.1100e-003	109.3234
Supermarket	5.46719e+006		969.5812	0.0818	9.9200e-003	974.5831
Total			2,134.6875	0.1802	0.0218	2,145.7000

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

Category	tons/yr										MT/yr					
	Mitigated	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003
Unmitigated	6.5990	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449

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	0.5230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3331	0.1056	2.5873	6.6000e-003		0.3886	0.3886		0.3886	0.3886	43.2312	83.0754	126.3066	0.1289	2.9300e-003	130.4041
Landscaping	0.1260	0.0484	4.1928	2.2000e-004		0.0233	0.0233		0.0233	0.0233	0.0000	6.8763	6.8763	6.5800e-003	0.0000	7.0408
Total	6.5991	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449

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

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	0.5230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3331	0.1056	2.5873	6.6000e-003		0.3886	0.3886		0.3886	0.3886	43.2312	83.0754	126.3066	0.1289	2.9300e-003	130.4041
Landscaping	0.1260	0.0484	4.1928	2.2000e-004		0.0233	0.0233		0.0233	0.0233	0.0000	6.8763	6.8763	6.5800e-003	0.0000	7.0408
Total	6.5991	0.1539	6.7801	6.8200e-003		0.4119	0.4119		0.4119	0.4119	43.2312	89.9518	133.1829	0.1355	2.9300e-003	137.4449

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	305.9906	2.1092	0.0522	374.2630	

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

Unmitigated		305.9906	2.1092	0.0522	374.2630
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	21.5008 / 13.5549		83.1786	0.7071	0.0173	106.0174
City Park	0 / 3.99146		7.8644	6.6000e- 004	8.0000e- 005	7.9050
Elementary School	18.9466 / 48.7198		145.7557	0.6292	0.0160	166.2551
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.01686 / 3.1628		19.4083	0.1650	4.0400e- 003	24.7374
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			305.9906	2.1092	0.0522	374.2630

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

Mitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	21.5008 / 13.5549		83.1786	0.7071	0.0173	106.0174
City Park	0 / 3.99146		7.8644	6.6000e-004	8.0000e-005	7.9050
Elementary School	18.9466 / 48.7198		145.7557	0.6292	0.0160	166.2551
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.01686 / 3.1628		19.4083	0.1650	4.0400e-003	24.7374
Supermarket	18.5247 / 0.57293		49.7836	0.6073	0.0147	69.3482
Total			305.9906	2.1092	0.0522	374.2630

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	tons/yr	MT/yr			
Mitigated		393.6583	23.2645	0.0000	975.2719
Unmitigated		393.6583	23.2645	0.0000	975.2719

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	151.8		30.8140	1.8211	0.0000	76.3405
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Elementary School	849.42		172.4246	10.1900	0.0000	427.1746
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	90.2		18.3098	1.0821	0.0000	45.3617
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			393.6583	23.2646	0.0000	975.2719

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	151.8		30.8140	1.8211	0.0000	76.3405
City Park	0.29		0.0589	3.4800e-003	0.0000	0.1458
Elementary School	849.42		172.4246	10.1900	0.0000	427.1746
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	90.2		18.3098	1.0821	0.0000	45.3617
Supermarket	847.58		172.0511	10.1679	0.0000	426.2493
Total			393.6583	23.2646	0.0000	975.2719

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Annual

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

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

Equipment Type	Number
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11.0 Vegetation

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Green Vally SP Phase 2 - 2.4 Construction Mitigated****Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	330.00	Dwelling Unit	23.15	330,000.00	944
Single Family Housing	77.00	Dwelling Unit	15.95	138,600.00	220
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2035
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 - Project specific acreage

Construction Phase - 2-year construction schedule

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	67.40
tblLandUse	LotAcreage	20.63	23.15
tblLandUse	LotAcreage	25.00	15.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	21.3434	40.8873	64.1593	0.2060	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020
2031	21.2188	27.1384	63.5648	0.1773	11.8525	0.4480	12.3005	3.1790	0.4428	3.6218	0.0000	18,176.6546	18,176.6546	0.4202	0.7150	18,400.2266
2032	21.1060	27.0347	62.8273	0.1755	11.8525	0.6622	12.2984	3.1790	0.6621	3.6198	0.0000	18,027.6018	18,027.6018	0.4144	0.7019	18,247.1339
Maximum	21.3434	40.8873	64.1593	0.2060	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	19.3865	13.7843	94.5739	0.2060	10.9473	0.3042	11.1629	3.0463	0.3041	3.3504	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020
2031	19.2619	13.7149	65.4310	0.1773	10.9473	0.2115	11.1588	2.9568	0.2063	3.1631	0.0000	18,176.6546	18,176.6546	0.4202	0.7150	18,400.2266
2032	19.1491	13.6112	64.6934	0.1755	10.9473	0.2094	11.1567	2.9568	0.2043	3.1611	0.0000	18,027.6018	18,027.6018	0.4144	0.7019	18,247.1339
Maximum	19.3865	13.7843	94.5739	0.2060	10.9473	0.3042	11.1629	3.0463	0.3041	3.3504	0.0000	21,923.8509	21,923.8509	0.8749	0.7305	21,948.1020

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.22	56.75	-17.92	0.00	13.60	71.95	17.09	32.69	72.29	38.26	0.00	0.00	0.00	0.00	0.00	0.00

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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618
Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516
Total	214.6125	88.6924	905.4249	2.0283	191.7300	32.4984	224.2283	51.1091	32.4423	83.5515	3,812.3358	174,431.0396	178,243.3754	19.1215	7.5027	180,957.2308

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618
Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516
Total	214.6125	88.6924	905.4249	2.0283	191.7300	32.4984	224.2283	51.1091	32.4423	83.5515	3,812.3358	174,431.0396	178,243.3754	19.1215	7.5027	180,957.2308

	ROG	NOx	CO	SO2	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	6/3/2030	7/30/2030	5	42	
2	Building Construction	Building Construction	7/31/2030	3/10/2032	5	421	
3	Architectural Coating	Architectural Coating	7/31/2030	3/10/2032	5	421	
4	Paving	Paving	3/11/2032	4/19/2032	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 67.4****Acres of Paving: 6.45****Residential Indoor: 948,915; Residential Outdoor: 316,305; Non-Residential Indoor: 1,205,520; Non-Residential Outdoor: 401,840; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	4	6.00	78	0.48
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38

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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	767.00	245.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	153.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.7460	0.0000	13.7460	6.8042	0.0000	6.8042			0.0000			0.0000
Off-Road	9.7801	40.8284	60.7622	0.2020		1.4730	1.4730		1.4730	1.4730		21,488.8792	21,488.8792	0.8689		21,510.6007
Total	9.7801	40.8284	60.7622	0.2020	13.7460	1.4730	15.2190	6.8042	1.4730	8.2772		21,488.8792	21,488.8792	0.8689		21,510.6007

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1184	0.0589	1.2346	4.0200e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013
Total	0.1184	0.0589	1.2346	4.0200e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8764	0.0000	5.8764	2.9088	0.0000	2.9088			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.2020		0.3025	0.3025		0.3025	0.3025	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007
Total	2.2688	9.8313	93.3393	0.2020	5.8764	0.3025	6.1789	2.9088	0.3025	3.2113	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1184	0.0589	1.2346	4.0200e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013
Total	0.1184	0.0589	1.2346	4.0200e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		434.9716	434.9716	6.0300e-003	7.9800e-003	437.5013

3.3 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2572	7.6037	3.1237	0.0376	1.5691	0.0676	1.6367	0.4518	0.0647	0.5165		3,998.4367	3,998.4367	0.0578	0.5836	4,173.7841
Worker	1.8159	0.9029	18.9386	0.0617	8.5733	0.0265	8.5997	2.2737	0.0244	2.2980		6,672.4649	6,672.4649	0.0925	0.1225	6,711.2706
Total	2.0731	8.5066	22.0623	0.0993	10.1423	0.0941	10.2364	2.7254	0.0891	2.8145		10,670.9016	10,670.9016	0.1503	0.7060	10,885.0548

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2572	7.6037	3.1237	0.0376	1.4685	0.0676	1.5361	0.4271	0.0647	0.4918		3,998.4367	3,998.4367	0.0578	0.5836	4,173.7841
Worker	1.8159	0.9029	18.9386	0.0617	7.9025	0.0265	7.9289	2.1090	0.0244	2.1334		6,672.4649	6,672.4649	0.0925	0.1225	6,711.2706
Total	2.0731	8.5066	22.0623	0.0993	9.3709	0.0941	9.4651	2.5361	0.0891	2.6252		10,670.9016	10,670.9016	0.1503	0.7060	10,885.0548

3.3 Building Construction - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2561	7.6051	3.1268	0.0370	1.5691	0.0652	1.6343	0.4518	0.0624	0.5141		3,929.7341	3,929.7341	0.0593	0.5727	4,101.8735
Worker	1.7129	0.8439	18.4404	0.0606	8.5733	0.0251	8.5984	2.2737	0.0231	2.2968		6,597.4923	6,597.4923	0.0863	0.1187	6,635.0071
Total	1.9690	8.4490	21.5672	0.0976	10.1423	0.0903	10.2326	2.7254	0.0855	2.8109		10,527.2264	10,527.2264	0.1456	0.6913	10,736.8806

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2561	7.6051	3.1268	0.0370	1.4685	0.0652	1.5337	0.4271	0.0624	0.4895		3,929.7341	3,929.7341	0.0593	0.5727	4,101.8735
Worker	1.7129	0.8439	18.4404	0.0606	7.9025	0.0251	7.9276	2.1090	0.0231	2.1322		6,597.4923	6,597.4923	0.0863	0.1187	6,635.0071
Total	1.9690	8.4490	21.5672	0.0976	9.3709	0.0903	9.4613	2.5361	0.0855	2.6216		10,527.2264	10,527.2264	0.1456	0.6913	10,736.8806

3.3 Building Construction - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2560	7.5620	3.1291	0.0364	1.5690	0.0649	1.6340	0.4518	0.0621	0.5139		3,872.5676	3,872.5676	0.0606	0.5636	4,042.0375
Worker	1.6190	0.7934	17.8236	0.0596	8.5733	0.0236	8.5968	2.2737	0.0217	2.2954		6,520.8871	6,520.8871	0.0804	0.1153	6,557.2594
Total	1.8750	8.3554	20.9527	0.0960	10.1423	0.0885	10.2308	2.7254	0.0838	2.8092		10,393.4547	10,393.4547	0.1410	0.6789	10,599.2969

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2560	7.5620	3.1291	0.0364	1.4685	0.0649	1.5334	0.4271	0.0621	0.4892		3,872.5676	3,872.5676	0.0606	0.5636	4,042.0375
Worker	1.6190	0.7934	17.8236	0.0596	7.9025	0.0236	7.9260	2.1090	0.0217	2.1307		6,520.8871	6,520.8871	0.0804	0.1153	6,557.2594
Total	1.8750	8.3554	20.9527	0.0960	9.3709	0.0885	9.4594	2.5361	0.0838	2.6199		10,393.4547	10,393.4547	0.1410	0.6789	10,599.2969

3.4 Architectural Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3622	0.1801	3.7778	0.0123	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541
Total	0.3622	0.1801	3.7778	0.0123	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541

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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.1173	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3622	0.1801	3.7778	0.0123	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541
Total	0.3622	0.1801	3.7778	0.0123	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,331.0132	1,331.0132	0.0185	0.0244	1,338.7541

3.4 Architectural Coating - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3417	0.1683	3.6785	0.0121	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412
Total	0.3417	0.1683	3.6785	0.0121	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412

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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.1173	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3417	0.1683	3.6785	0.0121	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412
Total	0.3417	0.1683	3.6785	0.0121	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,316.0578	1,316.0578	0.0172	0.0237	1,323.5412

3.4 Architectural Coating - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3230	0.1583	3.5554	0.0119	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322
Total	0.3230	0.1583	3.5554	0.0119	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322

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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.1173	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3230	0.1583	3.5554	0.0119	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322
Total	0.3230	0.1583	3.5554	0.0119	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,300.7767	1,300.7767	0.0160	0.0230	1,308.0322

3.5 Paving - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0633	0.0310	0.6971	2.3300e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769
Total	0.0633	0.0310	0.6971	2.3300e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769

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	0.5609	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0633	0.0310	0.6971	2.3300e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769
Total	0.0633	0.0310	0.6971	2.3300e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		255.0543	255.0543	3.1400e-003	4.5100e-003	256.4769

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	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Unmitigated	78.3273	75.7535	662.2016	1.4732	191.7300	0.9009	192.6308	51.1091	0.8448	51.9540		161,976.6983	161,976.6983	7.5973	7.1511	164,297.6516
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,415.60	2,686.20	2072.40	8,219,031	8,219,031
City Park	2.61	6.57	7.34	11,086	11,086
Elementary School	12,754.37	0.00	0.00	31,397,463	31,397,463
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	726.88	734.58	658.35	2,454,164	2,454,164
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	31,946.36	30,120.08	27,755.20	66,952,703	66,952,703

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
City Park	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Elementary School	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Other Asphalt Surfaces	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Single Family Housing	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Supermarket	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280

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	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
NaturalGas Unmitigated	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13675.5	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15556.3	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5967.38	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13.6755	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15.5563	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.96738	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7.87632	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

6.0 Area Detail**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
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

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

Category	lb/day										lb/day					
	Mitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588
Unmitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - 2.4 Construction Mitigated

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	6.45	Acre	6.45	280,962.00	0
City Park	3.35	Acre	3.35	145,926.00	0
Apartments Low Rise	330.00	Dwelling Unit	23.15	330,000.00	944
Single Family Housing	77.00	Dwelling Unit	15.95	138,600.00	220
Supermarket	150.28	1000sqft	3.45	150,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2035
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 - Project specific acreage
- Construction Phase - 2-year construction schedule
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment
- Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	421.00
tblConstructionPhase	NumDays	1,110.00	421.00
tblConstructionPhase	NumDays	110.00	42.00
tblConstructionPhase	NumDays	75.00	28.00
tblGrading	AcresOfGrading	420.00	67.40
tblLandUse	LotAcreage	20.63	23.15
tblLandUse	LotAcreage	25.00	15.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	21.2251	40.8893	61.7697	0.2057	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,883.4086	21,883.4086	0.8750	0.7356	21,907.7140
2031	21.1100	27.6393	59.5862	0.1706	11.8525	0.4482	12.3007	3.1790	0.4430	3.6220	0.0000	17,449.7033	17,449.7033	0.4205	0.7200	17,674.7722
2032	21.0064	27.5316	58.9901	0.1689	11.8525	0.6622	12.2986	3.1790	0.6621	3.6200	0.0000	17,309.1566	17,309.1566	0.4148	0.7068	17,530.1480
Maximum	21.2251	40.8893	61.7697	0.2057	14.3049	1.4747	15.7796	6.9524	1.4746	8.4270	0.0000	21,883.4086	21,883.4086	0.8750	0.7356	21,907.7140

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	19.2681	14.2863	94.3468	0.2057	10.9473	0.3042	11.1631	3.0463	0.3041	3.3504	0.0000	21,883.4085	21,883.4085	0.8750	0.7356	21,907.7140
2031	19.1530	14.2157	61.4524	0.1706	10.9473	0.2117	11.1590	2.9568	0.2065	3.1633	0.0000	17,449.7033	17,449.7033	0.4205	0.7200	17,674.7722
2032	19.0495	14.1081	60.8562	0.1689	10.9473	0.2096	11.1569	2.9568	0.2045	3.1613	0.0000	17,309.1566	17,309.1566	0.4148	0.7068	17,530.1480
Maximum	19.2681	14.2863	94.3468	0.2057	10.9473	0.3042	11.1631	3.0463	0.3041	3.3504	0.0000	21,883.4085	21,883.4085	0.8750	0.7356	21,907.7140

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.27	55.64	-20.13	0.00	13.60	71.94	17.09	32.69	72.28	38.25	0.00	0.00	0.00	0.00	0.00	0.00

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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618
Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088
Total	200.3187	93.8426	846.7746	1.9236	191.7300	32.4995	224.2294	51.1091	32.4434	83.5525	3,812.3358	162,780.9956	166,593.3314	19.3730	7.6649	169,361.7879

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618
Energy	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
Mobile	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088
Total	200.3187	93.8426	846.7746	1.9236	191.7300	32.4995	224.2294	51.1091	32.4434	83.5525	3,812.3358	162,780.9956	166,593.3314	19.3730	7.6649	169,361.7879

	ROG	NOx	CO	SO2	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	6/3/2030	7/30/2030	5	42	
2	Building Construction	Building Construction	7/31/2030	3/10/2032	5	421	
3	Architectural Coating	Architectural Coating	7/31/2030	3/10/2032	5	421	
4	Paving	Paving	3/11/2032	4/19/2032	5	28	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 67.4****Acres of Paving: 6.45****Residential Indoor: 948,915; Residential Outdoor: 316,305; Non-Residential Indoor: 1,205,520; Non-Residential Outdoor: 401,840; Striped Parking Area: 16,858 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	8	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	4	6.00	78	0.48
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38

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	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	17	767.00	245.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	153.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.7460	0.0000	13.7460	6.8042	0.0000	6.8042			0.0000			0.0000
Off-Road	9.7801	40.8284	60.7622	0.2020		1.4730	1.4730		1.4730	1.4730		21,488.8792	21,488.8792	0.8689		21,510.6007
Total	9.7801	40.8284	60.7622	0.2020	13.7460	1.4730	15.2190	6.8042	1.4730	8.2772		21,488.8792	21,488.8792	0.8689		21,510.6007

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1130	0.0609	1.0076	3.6500e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133
Total	0.1130	0.0609	1.0076	3.6500e-003	0.5589	1.7300e-003	0.5606	0.1482	1.5900e-003	0.1498		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8764	0.0000	5.8764	2.9088	0.0000	2.9088			0.0000			0.0000
Off-Road	2.2688	9.8313	93.3393	0.2020		0.3025	0.3025		0.3025	0.3025	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007
Total	2.2688	9.8313	93.3393	0.2020	5.8764	0.3025	6.1789	2.9088	0.3025	3.2113	0.0000	21,488.8792	21,488.8792	0.8689		21,510.6007

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1130	0.0609	1.0076	3.6500e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133
Total	0.1130	0.0609	1.0076	3.6500e-003	0.5152	1.7300e-003	0.5169	0.1375	1.5900e-003	0.1391		394.5293	394.5293	6.1000e-003	8.1600e-003	397.1133

3.3 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2373	8.0676	3.2345	0.0377	1.5691	0.0678	1.6369	0.4518	0.0649	0.5167		4,008.6669	4,008.6669	0.0569	0.5855	4,184.5637
Worker	1.7339	0.9346	15.4557	0.0560	8.5733	0.0265	8.5997	2.2737	0.0244	2.2980		6,052.0798	6,052.0798	0.0936	0.1252	6,091.7184
Total	1.9711	9.0023	18.6902	0.0937	10.1423	0.0943	10.2366	2.7254	0.0893	2.8147		10,060.7467	10,060.7467	0.1505	0.7106	10,276.2822

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2373	8.0676	3.2345	0.0377	1.4685	0.0678	1.5363	0.4271	0.0649	0.4920		4,008.6669	4,008.6669	0.0569	0.5855	4,184.5637
Worker	1.7339	0.9346	15.4557	0.0560	7.9025	0.0265	7.9289	2.1090	0.0244	2.1334		6,052.0798	6,052.0798	0.0936	0.1252	6,091.7184
Total	1.9711	9.0023	18.6902	0.0937	9.3709	0.0943	9.4653	2.5361	0.0893	2.6254		10,060.7467	10,060.7467	0.1505	0.7106	10,276.2822

3.3 Building Construction - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2362	8.0711	3.2379	0.0371	1.5691	0.0654	1.6345	0.4518	0.0626	0.5143		3,939.8266	3,939.8266	0.0584	0.5746	4,112.5070
Worker	1.6388	0.8730	15.0308	0.0550	8.5733	0.0251	8.5984	2.2737	0.0231	2.2968		5,983.0220	5,983.0220	0.0874	0.1212	6,021.3339
Total	1.8750	8.9440	18.2687	0.0920	10.1423	0.0905	10.2328	2.7254	0.0857	2.8111		9,922.8487	9,922.8487	0.1457	0.6958	10,133.8409

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2362	8.0711	3.2379	0.0371	1.4685	0.0654	1.5339	0.4271	0.0626	0.4896		3,939.8266	3,939.8266	0.0584	0.5746	4,112.5070
Worker	1.6388	0.8730	15.0308	0.0550	7.9025	0.0251	7.9276	2.1090	0.0231	2.1322		5,983.0220	5,983.0220	0.0874	0.1212	6,021.3339
Total	1.8750	8.9440	18.2687	0.0920	9.3709	0.0905	9.4615	2.5361	0.0857	2.6218		9,922.8487	9,922.8487	0.1457	0.6958	10,133.8409

3.3 Building Construction - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735
Total	2.3867	15.0960	31.1282	0.0557		0.2715	0.2715		0.2715	0.2715		5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2360	8.0265	3.2407	0.0365	1.5690	0.0651	1.6342	0.4518	0.0623	0.5141		3,882.5416	3,882.5416	0.0597	0.5655	4,052.5453
Worker	1.5526	0.8204	14.5315	0.0540	8.5733	0.0236	8.5968	2.2737	0.0217	2.2954		5,913.6071	5,913.6071	0.0815	0.1178	5,950.7511
Total	1.7886	8.8468	17.7722	0.0905	10.1423	0.0887	10.2310	2.7254	0.0840	2.8094		9,796.1488	9,796.1488	0.1412	0.6833	10,003.2964

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	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735
Total	0.8338	4.5825	32.8557	0.0557		0.1003	0.1003		0.1003	0.1003	0.0000	5,207.5782	5,207.5782	0.2118		5,212.8735

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2360	8.0265	3.2407	0.0365	1.4685	0.0651	1.5336	0.4271	0.0623	0.4894		3,882.5416	3,882.5416	0.0597	0.5655	4,052.5453
Worker	1.5526	0.8204	14.5315	0.0540	7.9025	0.0236	7.9260	2.1090	0.0217	2.1307		5,913.6071	5,913.6071	0.0815	0.1178	5,950.7511
Total	1.7886	8.8468	17.7722	0.0905	9.3709	0.0887	9.4596	2.5361	0.0840	2.6201		9,796.1488	9,796.1488	0.1412	0.6833	10,003.2964

3.4 Architectural Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3459	0.1864	3.0831	0.0112	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668
Total	0.3459	0.1864	3.0831	0.0112	1.7102	5.2800e-003	1.7155	0.4536	4.8600e-003	0.4584		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668

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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.1173	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3459	0.1864	3.0831	0.0112	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668
Total	0.3459	0.1864	3.0831	0.0112	1.5764	5.2800e-003	1.5817	0.4207	4.8600e-003	0.4256		1,207.2597	1,207.2597	0.0187	0.0250	1,215.1668

3.4 Architectural Coating - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3269	0.1741	2.9983	0.0110	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266
Total	0.3269	0.1741	2.9983	0.0110	1.7102	5.0100e-003	1.7152	0.4536	4.6100e-003	0.4582		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266

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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.1173	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3269	0.1741	2.9983	0.0110	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266
Total	0.3269	0.1741	2.9983	0.0110	1.5764	5.0100e-003	1.5814	0.4207	4.6100e-003	0.4253		1,193.4842	1,193.4842	0.0174	0.0242	1,201.1266

3.4 Architectural Coating - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.5214	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3097	0.1637	2.8987	0.0108	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468
Total	0.3097	0.1637	2.8987	0.0108	1.7102	4.7000e-003	1.7149	0.4536	4.3300e-003	0.4579		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468

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	15.9984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313
Total	16.1173	0.5151	7.3297	0.0119		0.0159	0.0159		0.0159	0.0159	0.0000	1,125.7922	1,125.7922	0.0456		1,126.9313

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.3097	0.1637	2.8987	0.0108	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468
Total	0.3097	0.1637	2.8987	0.0108	1.5764	4.7000e-003	1.5811	0.4207	4.3300e-003	0.4250		1,179.6374	1,179.6374	0.0163	0.0235	1,187.0468

3.5 Paving - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7690	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.3726	14.2404	31.6990	0.0561		0.6613	0.6613		0.6613	0.6613		5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0607	0.0321	0.5684	2.1100e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543
Total	0.0607	0.0321	0.5684	2.1100e-003	0.3353	9.2000e-004	0.3363	0.0889	8.5000e-004	0.0898		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543

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	0.5609	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603
Paving	0.6035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1645	2.4307	34.5913	0.0561		0.0748	0.0748		0.0748	0.0748	0.0000	5,313.0335	5,313.0335	0.2491		5,319.2603

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0607	0.0321	0.5684	2.1100e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543
Total	0.0607	0.0321	0.5684	2.1100e-003	0.3091	9.2000e-004	0.3100	0.0825	8.5000e-004	0.0833		231.3015	231.3015	3.1900e-003	4.6100e-003	232.7543

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	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Unmitigated	64.0334	80.9037	603.5514	1.3684	191.7300	0.9020	192.6319	51.1091	0.8459	51.9550		150,326.6542	150,326.6542	7.8487	7.3132	152,702.2088
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,415.60	2,686.20	2072.40	8,219,031	8,219,031
City Park	2.61	6.57	7.34	11,086	11,086
Elementary School	12,754.37	0.00	0.00	31,397,463	31,397,463
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	726.88	734.58	658.35	2,454,164	2,454,164
Supermarket	16,046.90	26,692.73	25017.11	24,870,959	24,870,959
Total	31,946.36	30,120.08	27,755.20	66,952,703	66,952,703

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
City Park	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Elementary School	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Other Asphalt Surfaces	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Single Family Housing	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280
Supermarket	0.553298	0.058927	0.179412	0.125114	0.021869	0.006343	0.011180	0.016581	0.000585	0.000261	0.022120	0.001029	0.003280

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	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174
NaturalGas Unmitigated	0.4645	4.1075	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13675.5	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15556.3	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5967.38	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7876.32	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	13.6755	0.1475	1.2603	0.5363	8.0400e-003		0.1019	0.1019		0.1019	0.1019		1,608.8800	1,608.8800	0.0308	0.0295	1,618.4408
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
Elementary School	15.5563	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.96738	0.0644	0.5499	0.2340	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.0449	702.0449	0.0135	0.0129	706.2168
Supermarket	7.87632	0.0849	0.7722	0.6486	4.6300e-003		0.0587	0.0587		0.0587	0.0587		926.6258	926.6258	0.0178	0.0170	932.1322
Total		0.4645	4.1076	2.7001	0.0253		0.3210	0.3210		0.3210	0.3210		5,067.7025	5,067.7025	0.0971	0.0929	5,097.8174

6.0 Area Detail

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
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Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

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

Category	lb/day										lb/day					
	Mitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588
Unmitigated	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.8659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	106.6487	8.4446	206.9806	0.5280		31.0901	31.0901		31.0901	31.0901	3,812.3358	7,326.0000	11,138.3358	11.3691	0.2588	11,499.6726
Landscaping	1.0080	0.3868	33.5426	1.7800e-003		0.1865	0.1865		0.1865	0.1865		60.6388	60.6388	0.0580		62.0892
Total	135.8207	8.8313	240.5232	0.5298		31.2766	31.2766		31.2766	31.2766	3,812.3358	7,386.6388	11,198.9746	11.4271	0.2588	11,561.7618

7.0 Water Detail**7.1 Mitigation Measures Water**

Green Vally SP Phase 2 - 2.4 Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

Green Vally SP 1990 - Operations

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	387.68	1000sqft	8.90	387,680.00	0
Other Asphalt Surfaces	18.20	Acre	18.20	792,792.00	0
City Park	4.90	Acre	4.90	213,444.00	0
Apartments Low Rise	184.00	Dwelling Unit	12.00	184,000.00	526
Single Family Housing	997.00	Dwelling Unit	211.50	1,794,600.00	2851
Supermarket	823.28	1000sqft	18.90	823,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	179.01	CH4 Intensity (lb/MWhr)	0.015	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors according to RPS targets

Land Use - Land use specific acreage

Construction Phase - No construction

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

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

Grading -

Architectural Coating -

Vehicle Trips - 50,575,597 VMT/year

Woodstoves - Rule 445

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblFireplaces	NumberGas	156.40	184.00
tblFireplaces	NumberGas	847.45	997.00
tblFireplaces	NumberNoFireplace	18.40	0.00
tblFireplaces	NumberNoFireplace	99.70	0.00
tblFireplaces	NumberWood	9.20	0.00
tblFireplaces	NumberWood	49.85	0.00
tblLandUse	LotAcreage	11.50	12.00
tblLandUse	LotAcreage	323.70	211.50
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.015
tblProjectCharacteristics	CO2IntensityFactor	390.98	179.01
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	CC_TL	8.40	1.00

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	13.2813	0.4441	15.8853	0.0140		0.6777	0.6777		0.6777	0.6777	79.0366	303.5272	382.5638	0.3940	5.2000e-003	393.9619
Energy	0.2702	2.3649	1.3948	0.0147		0.1867	0.1867		0.1867	0.1867	0.0000	6,033.3947	6,033.3947	0.3328	0.0866	6,067.5071
Mobile	23.2278	20.4872	137.2531	0.1688	19.1025	0.1440	19.2465	5.0996	0.1343	5.2339	0.0000	16,683.1688	16,683.1688	1.8355	1.4474	17,160.3669
Waste						0.0000	0.0000		0.0000	0.0000	1,299.3959	0.0000	1,299.3959	76.7921	0.0000	3,219.1984
Water						0.0000	0.0000		0.0000	0.0000	60.1744	278.4721	338.6465	6.2038	0.1491	538.1578
Total	36.7793	23.2962	154.5332	0.1975	19.1025	1.0083	20.1108	5.0996	0.9986	6.0982	1,438.6069	23,298.5628	24,737.1697	85.5581	1.6882	27,379.1920

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

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	13.2813	0.4441	15.8853	0.0140		0.6777	0.6777		0.6777	0.6777	79.0366	303.5272	382.5638	0.3940	5.2000e-003	393.9619
Energy	0.2702	2.3649	1.3948	0.0147		0.1867	0.1867		0.1867	0.1867	0.0000	6,018.1548	6,018.1548	0.3315	0.0864	6,052.1846
Mobile	23.2278	20.4872	137.2531	0.1688	19.1025	0.1440	19.2465	5.0996	0.1343	5.2339	0.0000	16,683.1688	16,683.1688	1.8355	1.4474	17,160.3669
Waste						0.0000	0.0000		0.0000	0.0000	1,299.3959	0.0000	1,299.3959	76.7921	0.0000	3,219.1984
Water						0.0000	0.0000		0.0000	0.0000	60.1744	278.4721	338.6465	6.2038	0.1491	538.1578
Total	36.7793	23.2962	154.5332	0.1975	19.1025	1.0083	20.1108	5.0996	0.9986	6.0982	1,438.6069	23,283.3229	24,721.9298	85.5568	1.6880	27,363.8695

	ROG	NOx	CO	SO2	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	0.07	0.06	0.00	0.01	0.06

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2026	12/31/2025	5	0	
2	Building Construction	Building Construction	10/14/2027	10/13/2027	5	0	
3	Paving	Paving	8/10/2045	8/9/2045	5	0	

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

4	Architectural Coating	Architectural Coating	11/15/2046	11/14/2046	5	0
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 18.2

Residential Indoor: 4,006,665; Residential Outdoor: 1,335,555; Non-Residential Indoor: 1,816,440; Non-Residential Outdoor: 605,480; Striped Parking Area: 47,568 (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
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	23.2278	20.4872	137.2531	0.1688	19.1025	0.1440	19.2465	5.0996	0.1343	5.2339	0.0000	16,683.1688	16,683.1688	1.8355	1.4474	17,160.3669

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

Unmitigated	23.2278	20.4872	137.2531	0.1688	19.1025	0.1440	19.2465	5.0996	0.1343	5.2339	0.0000	16,683.1688	16,683.1688	1.8355	1.4474	17,160.3669
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,346.88	1,497.76	1155.52	434,706	434,706
City Park	3.82	9.60	10.73	1,510	1,510
Elementary School	7,567.51	0.00	0.00	1,399,767	1,399,767
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,411.68	9,511.38	8524.35	3,258,181	3,258,181
Supermarket	87,909.84	146,230.99	137051.42	45,481,880	45,481,880
Total	106,239.73	157,249.74	146,742.02	50,576,044	50,576,044

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	1.00	1.00	1.00	40.20	19.20	40.60	86	11	3
City Park	1.00	1.00	1.00	33.00	48.00	19.00	66	28	6
Elementary School	1.00	1.00	1.20	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	1.00	1.00	1.00	0.00	0.00	0.00	0	0	0

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Single Family Housing	1.00	1.00	1.20	40.20	19.20	40.60	86	11	3
Supermarket	3.00	3.00	2.10	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Elementary School	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3,344.4395	3,344.4395	0.2802	0.0374	3,362.5807
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,359.6794	3,359.6794	0.2815	0.0375	3,377.9032
NaturalGas Mitigated	0.2702	2.3649	1.3948	0.0147		0.1867	0.1867		0.1867	0.1867	0.0000	2,673.7153	2,673.7153	0.0513	0.0490	2,689.6038

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

NaturalGas Unmitigated	0.2702	2.3649	1.3948	0.0147		0.1867	0.1867		0.1867	0.1867	0.0000	2,673.7153	2,673.7153	0.0513	0.0490	2,689.6038
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.78317e+006	0.0150	0.1282	0.0546	8.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	148.5204	148.5204	2.8500e-003	2.7200e-003	149.4030
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
Elementary School	3.36894e+006	0.0182	0.1651	0.1387	9.9000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	179.7794	179.7794	3.4500e-003	3.3000e-003	180.8478
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.82021e+007	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9704	1,504.9704	0.0289	0.0276	1,513.9136
Supermarket	1.57493e+007	0.0849	0.7720	0.6485	4.6300e-003		0.0587	0.0587		0.0587	0.0587	0.0000	840.4451	840.4451	0.0161	0.0154	845.4395
Total		0.2702	2.3649	1.3948	0.0147		0.1867	0.1867		0.1867	0.1867	0.0000	2,673.7153	2,673.7153	0.0513	0.0490	2,689.6038

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

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	2.78317e+006	0.0150	0.1282	0.0546	8.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	148.5204	148.5204	2.8500e-003	2.7200e-003	149.4030
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
Elementary School	3.36894e+006	0.0182	0.1651	0.1387	9.9000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	179.7794	179.7794	3.4500e-003	3.3000e-003	180.8478
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.82021e+007	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9704	1,504.9704	0.0289	0.0276	1,513.9136
Supermarket	1.57493e+007	0.0849	0.7720	0.6485	4.6300e-003		0.0587	0.0587		0.0587	0.0587	0.0000	840.4451	840.4451	0.0161	0.0154	845.4395
Total		0.2702	2.3649	1.3948	0.0147		0.1867	0.1867		0.1867	0.1867	0.0000	2,673.7153	2,673.7153	0.0513	0.0490	2,689.6038

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	767271		62.3005	5.2200e-003	7.0000e-004	62.6385
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	2.71764e+006		220.6655	0.0185	2.4700e-003	221.8625
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.94077e+006		644.7709	0.0540	7.2000e-003	648.2683
Supermarket	2.99509e+007		2,431.9425	0.2038	0.0272	2,445.1340
Total			3,359.6794	0.2815	0.0375	3,377.9032

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

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	747189		60.6699	5.0800e-003	6.8000e-004	60.9990
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	2.71764e+006		220.6655	0.0185	2.4700e-003	221.8625
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.77316e+006		631.1617	0.0529	7.0500e-003	634.5853
Supermarket	2.99509e+007		2,431.9425	0.2038	0.0272	2,445.1340
Total			3,344.4395	0.2802	0.0374	3,362.5807

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

Category	tons/yr										MT/yr					
	Mitigated	13.2813	0.4441	15.8853	0.0140		0.6777	0.6777		0.6777	0.6777	79.0366	303.5272	382.5638	0.3940	5.2000e-003
Unmitigated	13.2813	0.4441	15.8853	0.0140		0.6777	0.6777		0.6777	0.6777	79.0366	303.5272	382.5638	0.3940	5.2000e-003	393.9619

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	0.9107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.5787					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4271	0.3039	3.7225	0.0134		0.6101	0.6101		0.6101	0.6101	79.0366	283.6020	362.6386	0.3749	5.2000e-003	373.5609
Landscaping	0.3648	0.1402	12.1627	6.4000e-004		0.0676	0.0676		0.0676	0.0676	0.0000	19.9252	19.9252	0.0190	0.0000	20.4011
Total	13.2813	0.4441	15.8853	0.0140		0.6777	0.6777		0.6777	0.6777	79.0366	303.5272	382.5638	0.3940	5.2000e-003	393.9619

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

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	0.9107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.5787					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4271	0.3039	3.7225	0.0134		0.6101	0.6101		0.6101	0.6101	79.0366	283.6020	362.6386	0.3749	5.2000e-003	373.5609
Landscaping	0.3648	0.1402	12.1627	6.4000e-004		0.0676	0.0676		0.0676	0.0676	0.0000	19.9252	19.9252	0.0190	0.0000	20.4011
Total	13.2813	0.4441	15.8853	0.0140		0.6777	0.6777		0.6777	0.6777	79.0366	303.5272	382.5638	0.3940	5.2000e-003	393.9619

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	tons/yr	MT/yr		
Mitigated	338.6465	6.2038	0.1491	538.1578

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

Unmitigated		338.6465	6.2038	0.1491	538.1578
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Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	11.9883 / 7.55787		23.2963	0.3923	9.4400e-003	35.9168
City Park	0 / 5.83826		5.2667	4.4000e-004	6.0000e-005	5.2953
Elementary School	11.2415 / 28.9068		41.5287	0.3695	9.0700e-003	53.4698
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	64.9586 / 40.9521		126.2305	2.1255	0.0512	194.6141
Supermarket	101.484 / 3.13869		142.3243	3.3161	0.0793	248.8619
Total			338.6465	6.2038	0.1490	538.1578

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	11.9883 / 7.55787		23.2963	0.3923	9.4400e-003	35.9168
City Park	0 / 5.83826		5.2667	4.4000e-004	6.0000e-005	5.2953
Elementary School	11.2415 / 28.9068		41.5287	0.3695	9.0700e-003	53.4698
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	64.9586 / 40.9521		126.2305	2.1255	0.0512	194.6141
Supermarket	101.484 / 3.13869		142.3243	3.3161	0.0793	248.8619
Total			338.6465	6.2038	0.1490	538.1578

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

		Total CO2	CH4	N2O	CO2e

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

	tons/yr	MT/yr			
Mitigated		1,299.3959	76.7921	0.0000	3,219.1984
Unmitigated		1,299.3959	76.7921	0.0000	3,219.1984

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	84.64		17.1812	1.0154	0.0000	42.5656
City Park	0.42		0.0853	5.0400e-003	0.0000	0.2112
Elementary School	503.98		102.3034	6.0460	0.0000	253.4523
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1168.91		237.2782	14.0227	0.0000	587.8466
Supermarket	4643.3		942.5479	55.7030	0.0000	2,335.1226
Total			1,299.3959	76.7921	0.0000	3,219.1983

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	84.64		17.1812	1.0154	0.0000	42.5656
City Park	0.42		0.0853	5.0400e-003	0.0000	0.2112
Elementary School	503.98		102.3034	6.0460	0.0000	253.4523
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1168.91		237.2782	14.0227	0.0000	587.8466
Supermarket	4643.3		942.5479	55.7030	0.0000	2,335.1226
Total			1,299.3959	76.7921	0.0000	3,219.1983

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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Annual

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

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

Equipment Type	Number
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11.0 Vegetation

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Green Vally SP 1990 - Operations

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	387.68	1000sqft	8.90	387,680.00	0
Other Asphalt Surfaces	18.20	Acre	18.20	792,792.00	0
City Park	4.90	Acre	4.90	213,444.00	0
Apartments Low Rise	184.00	Dwelling Unit	12.00	184,000.00	526
Single Family Housing	997.00	Dwelling Unit	211.50	1,794,600.00	2851
Supermarket	823.28	1000sqft	18.90	823,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	179.01	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors according to RPS targets

Land Use - Land use specific acreage

Construction Phase - No construction

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Grading -

Architectural Coating -

Vehicle Trips - 50,575,597 VMT/year

Woodstoves - Rule 445

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblFireplaces	NumberGas	156.40	184.00
tblFireplaces	NumberGas	847.45	997.00
tblFireplaces	NumberNoFireplace	18.40	0.00
tblFireplaces	NumberNoFireplace	99.70	0.00
tblFireplaces	NumberWood	9.20	0.00
tblFireplaces	NumberWood	49.85	0.00
tblLandUse	LotAcreage	11.50	12.00
tblLandUse	LotAcreage	323.70	211.50
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.015
tblProjectCharacteristics	CO2IntensityFactor	390.98	179.01
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	CC_TL	8.40	1.00

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

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

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	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357
Energy	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739
Mobile	229.3980	148.7341	1,023.4613	1.3502	148.1045	1.0952	149.1997	39.4853	1.0214	40.5067		147,214.4628	147,214.4628	14.2146	11.8585	151,103.6632
Total	336.3985	187.1268	1,426.2077	2.5056	148.1045	51.4638	199.5683	39.4853	51.3900	90.8753	6,969.8350	188,548.9909	195,518.8259	47.7539	12.6131	200,471.3728

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357
Energy	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739
Mobile	229.3980	148.7341	1,023.4613	1.3502	148.1045	1.0952	149.1997	39.4853	1.0214	40.5067		147,214.4628	147,214.4628	14.2146	11.8585	151,103.6632
Total	336.3985	187.1268	1,426.2077	2.5056	148.1045	51.4638	199.5683	39.4853	51.3900	90.8753	6,969.8350	188,548.9909	195,518.8259	47.7539	12.6131	200,471.3728

	ROG	NOx	CO	SO2	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	1/1/2026	12/31/2025	5	0	
2	Building Construction	Building Construction	10/14/2027	10/13/2027	5	0	
3	Paving	Paving	8/10/2045	8/9/2045	5	0	
4	Architectural Coating	Architectural Coating	11/15/2046	11/14/2046	5	0	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 18.2****Residential Indoor: 4,006,665; Residential Outdoor: 1,335,555; Non-Residential Indoor: 1,816,440; Non-Residential Outdoor: 605,480; Striped Parking Area: 47,568 (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
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,340.00	490.00	0.00	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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	229.3980	148.7341	1,023.4613	1.3502	148.1045	1.0952	149.1997	39.4853	1.0214	40.5067		147,214.4628	147,214.4628	14.2146	11.8585	151,103.6632

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Unmitigated	229.3980	148.7341	1,023.4613	1.3502	148.1045	1.0952	149.1997	39.4853	1.0214	40.5067		147,214.4628	147,214.4628	14.2146	11.8585	151,103.6632
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,346.88	1,497.76	1155.52	434,706	434,706
City Park	3.82	9.60	10.73	1,510	1,510
Elementary School	7,567.51	0.00	0.00	1,399,767	1,399,767
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,411.68	9,511.38	8524.35	3,258,181	3,258,181
Supermarket	87,909.84	146,230.99	137051.42	45,481,880	45,481,880
Total	106,239.73	157,249.74	146,742.02	50,576,044	50,576,044

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	1.00	1.00	1.00	40.20	19.20	40.60	86	11	3
City Park	1.00	1.00	1.00	33.00	48.00	19.00	66	28	6
Elementary School	1.00	1.00	1.20	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	1.00	1.00	1.00	0.00	0.00	0.00	0	0	0

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Single Family Housing	1.00	1.00	1.20	40.20	19.20	40.60	86	11	3
Supermarket	3.00	3.00	2.10	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Elementary School	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739
NaturalGas Unmitigated	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	7625.12	0.0822	0.7027	0.2990	4.4900e-003		0.0568	0.0568		0.0568	0.0568		897.0725	897.0725	0.0172	0.0165	902.4034
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
Elementary School	9229.97	0.0995	0.9049	0.7601	5.4300e-003		0.0688	0.0688		0.0688	0.0688		1,085.8789	1,085.8789	0.0208	0.0199	1,092.3317
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	77266	0.8333	7.1206	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.1142	9,090.1142	0.1742	0.1667	9,144.1322
Supermarket	43148.9	0.4653	4.2303	3.5534	0.0254		0.3215	0.3215		0.3215	0.3215		5,076.3405	5,076.3405	0.0973	0.0931	5,106.5067
Total		1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	7.62512	0.0822	0.7027	0.2990	4.4900e-003		0.0568	0.0568		0.0568	0.0568		897.0725	897.0725	0.0172	0.0165	902.4034
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
Elementary School	9.22997	0.0995	0.9049	0.7601	5.4300e-003		0.0688	0.0688		0.0688	0.0688		1,085.8789	1,085.8789	0.0208	0.0199	1,092.3317
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	77.266	0.8333	7.1206	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.1142	9,090.1142	0.1742	0.1667	9,144.1322
Supermarket	43.1489	0.4653	4.2303	3.5534	0.0254		0.3215	0.3215		0.3215	0.3215		5,076.3405	5,076.3405	0.0973	0.0931	5,106.5067
Total		1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739

6.0 Area Detail

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
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Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Category	lb/day										lb/day					
	Mitigated	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585
Unmitigated	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357

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	4.9901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	63.4451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	34.1668	24.3128	297.8018	1.0695		48.8050	48.8050		48.8050	48.8050	6,969.8350	25,009.4118	31,979.2467	33.0619	0.4585	32,942.4292
Landscaping	2.9181	1.1214	97.3019	5.1500e-003		0.5408	0.5408		0.5408	0.5408		175.7103	175.7103	0.1679		179.9065
Total	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.9901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	63.4451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	34.1668	24.3128	297.8018	1.0695		48.8050	48.8050		48.8050	48.8050	6,969.8350	25,009.4118	31,979.2467	33.0619	0.4585	32,942.4292
Landscaping	2.9181	1.1214	97.3019	5.1500e-003		0.5408	0.5408		0.5408	0.5408		175.7103	175.7103	0.1679		179.9065
Total	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Summer

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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Green Vally SP 1990 - Operations

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	387.68	1000sqft	8.90	387,680.00	0
Other Asphalt Surfaces	18.20	Acre	18.20	792,792.00	0
City Park	4.90	Acre	4.90	213,444.00	0
Apartments Low Rise	184.00	Dwelling Unit	12.00	184,000.00	526
Single Family Housing	997.00	Dwelling Unit	211.50	1,794,600.00	2851
Supermarket	823.28	1000sqft	18.90	823,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	179.01	CH4 Intensity (lb/MWhr)	0.015	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors according to RPS targets

Land Use - Land use specific acreage

Construction Phase - No construction

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Grading -

Architectural Coating -

Vehicle Trips - 50,575,597 VMT/year

Woodstoves - Rule 445

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblFireplaces	NumberGas	156.40	184.00
tblFireplaces	NumberGas	847.45	997.00
tblFireplaces	NumberNoFireplace	18.40	0.00
tblFireplaces	NumberNoFireplace	99.70	0.00
tblFireplaces	NumberWood	9.20	0.00
tblFireplaces	NumberWood	49.85	0.00
tblLandUse	LotAcreage	11.50	12.00
tblLandUse	LotAcreage	323.70	211.50
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.015
tblProjectCharacteristics	CO2IntensityFactor	390.98	179.01
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	CC_TL	8.40	1.00

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

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

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	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357
Energy	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739
Mobile	172.6505	158.3510	1,041.1863	1.2699	148.1045	1.0997	149.2041	39.4853	1.0256	40.5109		138,374.9744	138,374.9744	15.5884	12.1721	142,391.9658
Total	279.6509	196.7437	1,443.9327	2.4252	148.1045	51.4683	199.5727	39.4853	51.3942	90.8795	6,969.8350	179,709.5025	186,679.3375	49.1277	12.9267	191,759.6754

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357
Energy	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739
Mobile	172.6505	158.3510	1,041.1863	1.2699	148.1045	1.0997	149.2041	39.4853	1.0256	40.5109		138,374.9744	138,374.9744	15.5884	12.1721	142,391.9658
Total	279.6509	196.7437	1,443.9327	2.4252	148.1045	51.4683	199.5727	39.4853	51.3942	90.8795	6,969.8350	179,709.5025	186,679.3375	49.1277	12.9267	191,759.6754

	ROG	NOx	CO	SO2	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	1/1/2026	12/31/2025	5	0	
2	Building Construction	Building Construction	10/14/2027	10/13/2027	5	0	
3	Paving	Paving	8/10/2045	8/9/2045	5	0	
4	Architectural Coating	Architectural Coating	11/15/2046	11/14/2046	5	0	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 18.2****Residential Indoor: 4,006,665; Residential Outdoor: 1,335,555; Non-Residential Indoor: 1,816,440; Non-Residential Outdoor: 605,480; Striped Parking Area: 47,568 (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
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,340.00	490.00	0.00	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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	172.6505	158.3510	1,041.1863	1.2699	148.1045	1.0997	149.2041	39.4853	1.0256	40.5109		138,374.9744	138,374.9744	15.5884	12.1721	142,391.9658

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Unmitigated	172.6505	158.3510	1,041.1863	1.2699	148.1045	1.0997	149.2041	39.4853	1.0256	40.5109		138,374.9744	138,374.9744	15.5884	12.1721	142,391.9658
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,346.88	1,497.76	1155.52	434,706	434,706
City Park	3.82	9.60	10.73	1,510	1,510
Elementary School	7,567.51	0.00	0.00	1,399,767	1,399,767
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,411.68	9,511.38	8524.35	3,258,181	3,258,181
Supermarket	87,909.84	146,230.99	137051.42	45,481,880	45,481,880
Total	106,239.73	157,249.74	146,742.02	50,576,044	50,576,044

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	1.00	1.00	1.00	40.20	19.20	40.60	86	11	3
City Park	1.00	1.00	1.00	33.00	48.00	19.00	66	28	6
Elementary School	1.00	1.00	1.20	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	1.00	1.00	1.00	0.00	0.00	0.00	0	0	0

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Single Family Housing	1.00	1.00	1.20	40.20	19.20	40.60	86	11	3
Supermarket	3.00	3.00	2.10	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Elementary School	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739
NaturalGas Unmitigated	1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	7625.12	0.0822	0.7027	0.2990	4.4900e-003		0.0568	0.0568		0.0568	0.0568		897.0725	897.0725	0.0172	0.0165	902.4034
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
Elementary School	9229.97	0.0995	0.9049	0.7601	5.4300e-003		0.0688	0.0688		0.0688	0.0688		1,085.8789	1,085.8789	0.0208	0.0199	1,092.3317
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	77266	0.8333	7.1206	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.1142	9,090.1142	0.1742	0.1667	9,144.1322
Supermarket	43148.9	0.4653	4.2303	3.5534	0.0254		0.3215	0.3215		0.3215	0.3215		5,076.3405	5,076.3405	0.0973	0.0931	5,106.5067
Total		1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	7.62512	0.0822	0.7027	0.2990	4.4900e-003		0.0568	0.0568		0.0568	0.0568		897.0725	897.0725	0.0172	0.0165	902.4034
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
Elementary School	9.22997	0.0995	0.9049	0.7601	5.4300e-003		0.0688	0.0688		0.0688	0.0688		1,085.8789	1,085.8789	0.0208	0.0199	1,092.3317
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	77.266	0.8333	7.1206	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.1142	9,090.1142	0.1742	0.1667	9,144.1322
Supermarket	43.1489	0.4653	4.2303	3.5534	0.0254		0.3215	0.3215		0.3215	0.3215		5,076.3405	5,076.3405	0.0973	0.0931	5,106.5067
Total		1.4804	12.9585	7.6426	0.0808		1.0228	1.0228		1.0228	1.0228		16,149.4060	16,149.4060	0.3095	0.2961	16,245.3739

6.0 Area Detail

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
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Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Category	lb/day										lb/day					
	Mitigated	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585
Unmitigated	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357

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	4.9901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	63.4451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	34.1668	24.3128	297.8018	1.0695		48.8050	48.8050		48.8050	48.8050	6,969.8350	25,009.4118	31,979.2467	33.0619	0.4585	32,942.4292
Landscaping	2.9181	1.1214	97.3019	5.1500e-003		0.5408	0.5408		0.5408	0.5408		175.7103	175.7103	0.1679		179.9065
Total	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.9901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	63.4451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	34.1668	24.3128	297.8018	1.0695		48.8050	48.8050		48.8050	48.8050	6,969.8350	25,009.4118	31,979.2467	33.0619	0.4585	32,942.4292
Landscaping	2.9181	1.1214	97.3019	5.1500e-003		0.5408	0.5408		0.5408	0.5408		175.7103	175.7103	0.1679		179.9065
Total	105.5201	25.4342	395.1037	1.0746		49.3458	49.3458		49.3458	49.3458	6,969.8350	25,185.1221	32,154.9571	33.2298	0.4585	33,122.3357

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP 1990 - Operations - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

Green Vally SP Phase 2 - Operations

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	25.80	Acre	25.80	1,123,848.00	0
City Park	6.70	Acre	6.70	291,852.00	0
Apartments Low Rise	1,159.00	Dwelling Unit	81.30	1,159,000.00	3315
Single Family Housing	462.00	Dwelling Unit	95.70	831,600.00	1321
Supermarket	300.56	1000sqft	6.90	300,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	179.08	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factor adjusted for RPS targets

Land Use - Project specific acreage

Construction Phase - No construction

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

Grading - Project specific grading

Architectural Coating - Rule 113

Vehicle Trips - 2,228 Trips for School

19,548 Trips for all other uses

85,828,368 VMT/year

Woodstoves - Rule 445

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblFireplaces	NumberGas	985.15	1,159.00
tblFireplaces	NumberGas	392.70	462.00
tblFireplaces	NumberNoFireplace	115.90	0.00
tblFireplaces	NumberNoFireplace	46.20	0.00
tblFireplaces	NumberWood	57.95	0.00
tblFireplaces	NumberWood	23.10	0.00
tblGrading	AcresOfGrading	0.00	1,395.00
tblLandUse	LotAcreage	72.44	81.30
tblLandUse	LotAcreage	150.00	95.70
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.015
tblProjectCharacteristics	CO2IntensityFactor	390.98	179.08

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	CC_TL	8.40	15.10
tblVehicleTrips	CNW_TL	6.90	11.00
tblVehicleTrips	CW_TL	16.60	16.80
tblVehicleTrips	HO_TL	8.70	10.50
tblVehicleTrips	HS_TL	5.90	11.90
tblVehicleTrips	HW_TL	14.70	15.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	42.30
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	42.30
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	19.52	3.40
tblVehicleTrips	WD_TR	9.44	42.30
tblVehicleTrips	WD_TR	106.78	0.00
tblWoodstoves	NumberCatalytic	57.95	0.00
tblWoodstoves	NumberCatalytic	23.10	0.00
tblWoodstoves	NumberNoncatalytic	57.95	0.00
tblWoodstoves	NumberNoncatalytic	23.10	0.00

2.0 Emissions Summary**2.1 Overall Construction**

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	12.1142	0.5284	16.8282	3.0300e-003		0.1199	0.1199		0.1199	0.1199	0.0000	416.5934	416.5934	0.0335	7.1400e-003	419.5586
Energy	0.2266	1.9702	1.0705	0.0124		0.1566	0.1566		0.1566	0.1566	0.0000	4,194.4599	4,194.4599	0.2065	0.0629	4,218.3699
Mobile	8.4591	12.2722	94.8592	0.2413	32.4197	0.1599	32.5796	8.6548	0.1499	8.8047	0.0000	23,871.8079	23,871.8079	1.0504	1.0319	24,205.5585
Waste						0.0000	0.0000		0.0000	0.0000	734.8090	0.0000	734.8090	43.4260	0.0000	1,820.4582
Water						0.0000	0.0000		0.0000	0.0000	51.2716	283.2280	334.4996	5.2898	0.1275	504.7420
Total	20.7999	14.7708	112.7580	0.2567	32.4197	0.4364	32.8561	8.6548	0.4264	9.0812	786.0807	28,766.0891	29,552.1698	50.0062	1.2294	31,168.6871

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

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	12.1142	0.5284	16.8282	3.0300e-003		0.1199	0.1199		0.1199	0.1199	0.0000	416.5934	416.5934	0.0335	7.1400e-003	419.5586
Energy	0.2266	1.9702	1.0705	0.0124		0.1566	0.1566		0.1566	0.1566	0.0000	4,177.8760	4,177.8760	0.2051	0.0627	4,201.6961
Mobile	8.4591	12.2722	94.8592	0.2413	32.4197	0.1599	32.5796	8.6548	0.1499	8.8047	0.0000	23,871.8079	23,871.8079	1.0504	1.0319	24,205.5585
Waste						0.0000	0.0000		0.0000	0.0000	734.8090	0.0000	734.8090	43.4260	0.0000	1,820.4582
Water						0.0000	0.0000		0.0000	0.0000	51.2716	283.2280	334.4996	5.2898	0.1275	504.7420
Total	20.7999	14.7708	112.7580	0.2567	32.4197	0.4364	32.8561	8.6548	0.4264	9.0812	786.0807	28,749.5053	29,535.5860	50.0048	1.2292	31,152.0134

	ROG	NOx	CO	SO2	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	0.06	0.06	0.00	0.01	0.05

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	1/1/2026	12/31/2025	5	0	
2	Building Construction	Building Construction	10/14/2027	10/13/2027	5	0	
3	Paving	Paving	8/10/2045	8/9/2045	5	0	

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

4	Architectural Coating	Architectural Coating	11/15/2046	11/14/2046	5	0
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1395

Acres of Paving: 25.8

Residential Indoor: 4,030,965; Residential Outdoor: 1,343,655; Non-Residential Indoor: 1,430,940; Non-Residential Outdoor: 476,980; Striped Parking Area: 67,431 (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
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.4591	12.2722	94.8592	0.2413	32.4197	0.1599	32.5796	8.6548	0.1499	8.8047	0.0000	23,871.8079	23,871.8079	1.0504	1.0319	24,205.5585

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

Unmitigated	8.4591	12.2722	94.8592	0.2413	32.4197	0.1599	32.5796	8.6548	0.1499	8.8047	0.0000	23,871.8079	23,871.8079	1.0504	1.0319	24,205.5585
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Elementary School	2,221.56	0.00	0.00	6,406,801	6,406,801
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	19,542.60	19,542.60	19,542.60	79,427,972	79,427,972
Supermarket	0.00	0.00	0.00		
Total	21,764.16	19,542.60	19,542.60	85,834,773	85,834,773

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.80	15.10	11.00	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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

Single Family Housing	15.00	11.90	10.50	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Elementary School	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,935.1417	1,935.1417	0.1621	0.0216	1,945.6343
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,951.7255	1,951.7255	0.1635	0.0218	1,962.3081
NaturalGas Mitigated	0.2266	1.9702	1.0705	0.0124		0.1566	0.1566		0.1566	0.1566	0.0000	2,242.7344	2,242.7344	0.0430	0.0411	2,256.0618

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

NaturalGas Unmitigated	0.2266	1.9702	1.0705	0.0124		0.1566	0.1566		0.1566	0.1566	0.0000	2,242.7344	2,242.7344	0.0430	0.0411	2,256.0618
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Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.75309e+007	0.0945	0.8078	0.3437	5.1600e-003		0.0653	0.0653		0.0653	0.0653	0.0000	935.5172	935.5172	0.0179	0.0172	941.0765
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
Elementary School	5.67805e+006	0.0306	0.2783	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.0022	303.0022	5.8100e-003	5.5600e-003	304.8028
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.30686e+007	0.0705	0.6022	0.2563	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	697.3885	697.3885	0.0134	0.0128	701.5327
Supermarket	5.74971e+006	0.0310	0.2819	0.2368	1.6900e-003		0.0214	0.0214		0.0214	0.0214	0.0000	306.8266	306.8266	5.8800e-003	5.6300e-003	308.6499
Total		0.2266	1.9702	1.0705	0.0124		0.1566	0.1566		0.1566	0.1566	0.0000	2,242.7344	2,242.7344	0.0430	0.0411	2,256.0618

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	1.75309e+007	0.0945	0.8078	0.3437	5.1600e-003		0.0653	0.0653		0.0653	0.0653	0.0000	935.5172	935.5172	0.0179	0.0172	941.0765
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
Elementary School	5.67805e+006	0.0306	0.2783	0.2338	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.0022	303.0022	5.8100e-003	5.5600e-003	304.8028
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.30686e+007	0.0705	0.6022	0.2563	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	697.3885	697.3885	0.0134	0.0128	701.5327
Supermarket	5.74971e+006	0.0310	0.2819	0.2368	1.6900e-003		0.0214	0.0214		0.0214	0.0214	0.0000	306.8266	306.8266	5.8800e-003	5.6300e-003	308.6499
Total		0.2266	1.9702	1.0705	0.0124		0.1566	0.1566		0.1566	0.1566	0.0000	2,242.7344	2,242.7344	0.0430	0.0411	2,256.0618

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Low Rise	4.83297e+006		392.5790	0.0329	4.3800e-003	394.7077
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	4.58033e+006		372.0574	0.0312	4.1600e-003	374.0748
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.67967e+006		298.8973	0.0250	3.3400e-003	300.5180
Supermarket	1.09344e+007		888.1917	0.0744	9.9200e-003	893.0076
Total			1,951.7255	0.1635	0.0218	1,962.3081

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

Category	tons/yr										MT/yr					
	Mitigated	12.1142	0.5284	16.8282	3.0300e-003		0.1199	0.1199		0.1199	0.1199	0.0000	416.5934	416.5934	0.0335	7.1400e-003
Unmitigated	12.1142	0.5284	16.8282	3.0300e-003		0.1199	0.1199		0.1199	0.1199	0.0000	416.5934	416.5934	0.0335	7.1400e-003	419.5586

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	0.8595					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.7156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0393	0.3361	0.1430	2.1500e-003		0.0272	0.0272		0.0272	0.0272	0.0000	389.2623	389.2623	7.4600e-003	7.1400e-003	391.5755
Landscaping	0.4998	0.1923	16.6852	8.8000e-004		0.0928	0.0928		0.0928	0.0928	0.0000	27.3311	27.3311	0.0261	0.0000	27.9831
Total	12.1142	0.5284	16.8282	3.0300e-003		0.1199	0.1199		0.1199	0.1199	0.0000	416.5934	416.5934	0.0335	7.1400e-003	419.5586

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

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	0.8595					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.7156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0393	0.3361	0.1430	2.1500e-003		0.0272	0.0272		0.0272	0.0272	0.0000	389.2623	389.2623	7.4600e-003	7.1400e-003	391.5755
Landscaping	0.4998	0.1923	16.6852	8.8000e-004		0.0928	0.0928		0.0928	0.0928	0.0000	27.3311	27.3311	0.0261	0.0000	27.9831
Total	12.1142	0.5284	16.8282	3.0300e-003		0.1199	0.1199		0.1199	0.1199	0.0000	416.5934	416.5934	0.0335	7.1400e-003	419.5586

7.0 Water Detail

7.1 Mitigation Measures Water

		Total CO2	CH4	N2O	CO2e
Category	tons/yr	MT/yr			
Mitigated		334.4996	5.2898	0.1275	504.7420

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

Unmitigated		334.4996	5.2898	0.1275	504.7420
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	75.5135 / 47.6063		146.7893	2.4709	0.0595	226.2845
City Park	0 / 7.98293		7.2043	6.0000e-004	8.0000e-005	7.2433
Elementary School	18.9466 / 48.7198		70.0180	0.6227	0.0153	90.1435
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	30.1012 / 18.9768		58.5131	0.9850	0.0237	90.2014
Supermarket	37.0495 / 1.14586		51.9750	1.2106	0.0290	90.8693
Total			334.4996	5.2898	0.1275	504.7420

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Low Rise	75.5135 / 47.6063		146.7893	2.4709	0.0595	226.2845
City Park	0 / 7.98293		7.2043	6.0000e-004	8.0000e-005	7.2433
Elementary School	18.9466 / 48.7198		70.0180	0.6227	0.0153	90.1435
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	30.1012 / 18.9768		58.5131	0.9850	0.0237	90.2014
Supermarket	37.0495 / 1.14586		51.9750	1.2106	0.0290	90.8693
Total			334.4996	5.2898	0.1275	504.7420

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

		Total CO2	CH4	N2O	CO2e
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Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

	tons/yr	MT/yr			
Mitigated		734.8090	43.4260	0.0000	1,820.4582
Unmitigated		734.8090	43.4260	0.0000	1,820.4582

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	533.14		108.2226	6.3958	0.0000	268.1169
City Park	0.58		0.1177	6.9600e-003	0.0000	0.2917
Elementary School	849.42		172.4246	10.1900	0.0000	427.1746
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	541.61		109.9419	6.4974	0.0000	272.3765
Supermarket	1695.16		344.1022	20.3359	0.0000	852.4985
Total			734.8090	43.4260	0.0000	1,820.4582

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	533.14		108.2226	6.3958	0.0000	268.1169
City Park	0.58		0.1177	6.9600e-003	0.0000	0.2917
Elementary School	849.42		172.4246	10.1900	0.0000	427.1746
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	541.61		109.9419	6.4974	0.0000	272.3765
Supermarket	1695.16		344.1022	20.3359	0.0000	852.4985
Total			734.8090	43.4260	0.0000	1,820.4582

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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Annual

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

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

Equipment Type	Number
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11.0 Vegetation

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - Operations

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	25.80	Acre	25.80	1,123,848.00	0
City Park	6.70	Acre	6.70	291,852.00	0
Apartments Low Rise	1,159.00	Dwelling Unit	81.30	1,159,000.00	3315
Single Family Housing	462.00	Dwelling Unit	95.70	831,600.00	1321
Supermarket	300.56	1000sqft	6.90	300,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	179.08	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factor adjusted for RPS targets

Land Use - Project specific acreage

Construction Phase - No construction

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

Grading - Project specific grading

Architectural Coating - Rule 113

Vehicle Trips - 2,228 Trips for School

19,548 Trips for all other uses

85,828,368 VMT/year

Woodstoves - Rule 445

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblFireplaces	NumberGas	985.15	1,159.00
tblFireplaces	NumberGas	392.70	462.00
tblFireplaces	NumberNoFireplace	115.90	0.00
tblFireplaces	NumberNoFireplace	46.20	0.00
tblFireplaces	NumberWood	57.95	0.00
tblFireplaces	NumberWood	23.10	0.00
tblGrading	AcresOfGrading	0.00	1,395.00
tblLandUse	LotAcreage	72.44	81.30
tblLandUse	LotAcreage	150.00	95.70
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.015
tblProjectCharacteristics	CO2IntensityFactor	390.98	179.08

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	CC_TL	8.40	15.10
tblVehicleTrips	CNW_TL	6.90	11.00
tblVehicleTrips	CW_TL	16.60	16.80
tblVehicleTrips	HO_TL	8.70	10.50
tblVehicleTrips	HS_TL	5.90	11.90
tblVehicleTrips	HW_TL	14.70	15.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	42.30
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	42.30
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	19.52	3.40
tblVehicleTrips	WD_TR	9.44	42.30
tblVehicleTrips	WD_TR	106.78	0.00
tblWoodstoves	NumberCatalytic	57.95	0.00
tblWoodstoves	NumberCatalytic	23.10	0.00
tblWoodstoves	NumberNoncatalytic	57.95	0.00
tblWoodstoves	NumberNoncatalytic	23.10	0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)**

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

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

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	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161
Energy	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532
Mobile	54.9884	64.8858	588.4592	1.4488	186.5274	0.9054	187.4328	49.7290	0.8492	50.5782		158,068.7560	158,068.7560	6.4716	6.2719	160,099.5589
Total	126.8004	104.1093	739.2489	1.6952	186.5274	4.6794	191.2068	49.7290	4.6232	54.3522	0.0000	206,183.0886	206,183.0886	7.6192	7.1495	208,504.1282

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161
Energy	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532
Mobile	54.9884	64.8858	588.4592	1.4488	186.5274	0.9054	187.4328	49.7290	0.8492	50.5782		158,068.7560	158,068.7560	6.4716	6.2719	160,099.5589
Total	126.8004	104.1093	739.2489	1.6952	186.5274	4.6794	191.2068	49.7290	4.6232	54.3522	0.0000	206,183.0886	206,183.0886	7.6192	7.1495	208,504.1282

	ROG	NOx	CO	SO2	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	1/1/2026	12/31/2025	5	0	
2	Building Construction	Building Construction	10/14/2027	10/13/2027	5	0	
3	Paving	Paving	8/10/2045	8/9/2045	5	0	
4	Architectural Coating	Architectural Coating	11/15/2046	11/14/2046	5	0	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 1395****Acres of Paving: 25.8****Residential Indoor: 4,030,965; Residential Outdoor: 1,343,655; Non-Residential Indoor: 1,430,940; Non-Residential Outdoor: 476,980; Striped Parking Area: 67,431 (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
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,966.00	562.00	0.00	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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	54.9884	64.8858	588.4592	1.4488	186.5274	0.9054	187.4328	49.7290	0.8492	50.5782		158,068.7560	158,068.7560	6.4716	6.2719	160,099.5589
Unmitigated	54.9884	64.8858	588.4592	1.4488	186.5274	0.9054	187.4328	49.7290	0.8492	50.5782		158,068.7560	158,068.7560	6.4716	6.2719	160,099.5589

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Elementary School	2,221.56	0.00	0.00	6,406,801	6,406,801
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	19,542.60	19,542.60	19,542.60	79,427,972	79,427,972
Supermarket	0.00	0.00	0.00		
Total	21,764.16	19,542.60	19,542.60	85,834,773	85,834,773

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.80	15.10	11.00	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

Single Family Housing	15.00	11.90	10.50	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Elementary School	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532
NaturalGas Unmitigated	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	48029.9	0.5180	4.4263	1.8835	0.0283		0.3579	0.3579		0.3579	0.3579		5,650.5817	5,650.5817	0.1083	0.1036	5,684.1603
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
Elementary School	15556.3	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35804.3	0.3861	3.2996	1.4041	0.0211		0.2668	0.2668		0.2668	0.2668		4,212.2696	4,212.2696	0.0807	0.0772	4,237.3010
Supermarket	15752.6	0.1699	1.5444	1.2973	9.2700e-003		0.1174	0.1174		0.1174	0.1174		1,853.2515	1,853.2515	0.0355	0.0340	1,864.2645
Total		1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2483	13,626.7532

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	48.0299	0.5180	4.4263	1.8835	0.0283		0.3579	0.3579		0.3579	0.3579		5,650.5817	5,650.5817	0.1083	0.1036	5,684.1603
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
Elementary School	15.5563	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35.8043	0.3861	3.2996	1.4041	0.0211		0.2668	0.2668		0.2668	0.2668		4,212.2696	4,212.2696	0.0807	0.0772	4,237.3010
Supermarket	15.7526	0.1699	1.5444	1.2973	9.2700e-003		0.1174	0.1174		0.1174	0.1174		1,853.2515	1,853.2515	0.0355	0.0340	1,864.2645
Total		1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2483	13,626.7532

6.0 Area Detail**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
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Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

Category	lb/day										lb/day					
	Mitigated	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293
Unmitigated	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161

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	4.7095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	58.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1467	26.8895	11.4424	0.1716		2.1741	2.1741		2.1741	2.1741	0.0000	34,327.0588	34,327.0588	0.6579	0.6293	34,531.0474
Landscaping	3.9987	1.5385	133.4814	7.0700e-003		0.7420	0.7420		0.7420	0.7420		241.0192	241.0192	0.2300		246.7687
Total	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.7095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	58.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1467	26.8895	11.4424	0.1716		2.1741	2.1741		2.1741	2.1741	0.0000	34,327.0588	34,327.0588	0.6579	0.6293	34,531.0474
Landscaping	3.9987	1.5385	133.4814	7.0700e-003		0.7420	0.7420		0.7420	0.7420		241.0192	241.0192	0.2300		246.7687
Total	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Summer

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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

Green Vally SP Phase 2 - Operations

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	653.40	1000sqft	15.00	653,400.00	0
Other Asphalt Surfaces	25.80	Acre	25.80	1,123,848.00	0
City Park	6.70	Acre	6.70	291,852.00	0
Apartments Low Rise	1,159.00	Dwelling Unit	81.30	1,159,000.00	3315
Single Family Housing	462.00	Dwelling Unit	95.70	831,600.00	1321
Supermarket	300.56	1000sqft	6.90	300,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2033
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	179.08	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factor adjusted for RPS targets

Land Use - Project specific acreage

Construction Phase - No construction

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Off-road Equipment - Phase 1b construction equipment

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

Grading - Project specific grading

Architectural Coating - Rule 113

Vehicle Trips - 2,228 Trips for School

19,548 Trips for all other uses

85,828,368 VMT/year

Woodstoves - Rule 445

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403. Rule 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblFireplaces	NumberGas	985.15	1,159.00
tblFireplaces	NumberGas	392.70	462.00
tblFireplaces	NumberNoFireplace	115.90	0.00
tblFireplaces	NumberNoFireplace	46.20	0.00
tblFireplaces	NumberWood	57.95	0.00
tblFireplaces	NumberWood	23.10	0.00
tblGrading	AcresOfGrading	0.00	1,395.00
tblLandUse	LotAcreage	72.44	81.30
tblLandUse	LotAcreage	150.00	95.70
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.015
tblProjectCharacteristics	CO2IntensityFactor	390.98	179.08

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	CC_TL	8.40	15.10
tblVehicleTrips	CNW_TL	6.90	11.00
tblVehicleTrips	CW_TL	16.60	16.80
tblVehicleTrips	HO_TL	8.70	10.50
tblVehicleTrips	HS_TL	5.90	11.90
tblVehicleTrips	HW_TL	14.70	15.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	42.30
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	42.30
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	19.52	3.40
tblVehicleTrips	WD_TR	9.44	42.30
tblVehicleTrips	WD_TR	106.78	0.00
tblWoodstoves	NumberCatalytic	57.95	0.00
tblWoodstoves	NumberCatalytic	23.10	0.00
tblWoodstoves	NumberNoncatalytic	57.95	0.00
tblWoodstoves	NumberNoncatalytic	23.10	0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)**

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

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

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	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161
Energy	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532
Mobile	47.2549	69.2733	519.6099	1.3437	186.5274	0.9060	187.4334	49.7290	0.8497	50.5788		146,507.7413	146,507.7413	6.5610	6.4050	148,580.4410
Total	119.0669	108.4967	670.3996	1.5902	186.5274	4.6800	191.2073	49.7290	4.6237	54.3528	0.0000	194,622.0739	194,622.0739	7.7086	7.2826	196,985.0103

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161
Energy	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532
Mobile	47.2549	69.2733	519.6099	1.3437	186.5274	0.9060	187.4334	49.7290	0.8497	50.5788		146,507.7413	146,507.7413	6.5610	6.4050	148,580.4410
Total	119.0669	108.4967	670.3996	1.5902	186.5274	4.6800	191.2073	49.7290	4.6237	54.3528	0.0000	194,622.0739	194,622.0739	7.7086	7.2826	196,985.0103

	ROG	NOx	CO	SO2	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	1/1/2026	12/31/2025	5	0	
2	Building Construction	Building Construction	10/14/2027	10/13/2027	5	0	
3	Paving	Paving	8/10/2045	8/9/2045	5	0	
4	Architectural Coating	Architectural Coating	11/15/2046	11/14/2046	5	0	

Acres of Grading (Site Preparation Phase): 0

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 1395****Acres of Paving: 25.8****Residential Indoor: 4,030,965; Residential Outdoor: 1,343,655; Non-Residential Indoor: 1,430,940; Non-Residential Outdoor: 476,980; Striped Parking Area: 67,431 (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
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,966.00	562.00	0.00	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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	47.2549	69.2733	519.6099	1.3437	186.5274	0.9060	187.4334	49.7290	0.8497	50.5788		146,507.7413	146,507.7413	6.5610	6.4050	148,580.4410
Unmitigated	47.2549	69.2733	519.6099	1.3437	186.5274	0.9060	187.4334	49.7290	0.8497	50.5788		146,507.7413	146,507.7413	6.5610	6.4050	148,580.4410

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Elementary School	2,221.56	0.00	0.00	6,406,801	6,406,801
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	19,542.60	19,542.60	19,542.60	79,427,972	79,427,972
Supermarket	0.00	0.00	0.00		
Total	21,764.16	19,542.60	19,542.60	85,834,773	85,834,773

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.80	15.10	11.00	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

Single Family Housing	15.00	11.90	10.50	40.20	19.20	40.60	86	11	3
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
City Park	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Elementary School	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Other Asphalt Surfaces	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Single Family Housing	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487
Supermarket	0.552273	0.058431	0.178727	0.125914	0.022207	0.006429	0.011380	0.016985	0.000590	0.000267	0.022259	0.001051	0.003487

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532
NaturalGas Unmitigated	1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2484	13,626.7532

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	48029.9	0.5180	4.4263	1.8835	0.0283		0.3579	0.3579		0.3579	0.3579		5,650.5817	5,650.5817	0.1083	0.1036	5,684.1603
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
Elementary School	15556.3	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35804.3	0.3861	3.2996	1.4041	0.0211		0.2668	0.2668		0.2668	0.2668		4,212.2696	4,212.2696	0.0807	0.0772	4,237.3010
Supermarket	15752.6	0.1699	1.5444	1.2973	9.2700e-003		0.1174	0.1174		0.1174	0.1174		1,853.2515	1,853.2515	0.0355	0.0340	1,864.2645
Total		1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2483	13,626.7532

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	48.0299	0.5180	4.4263	1.8835	0.0283		0.3579	0.3579		0.3579	0.3579		5,650.5817	5,650.5817	0.1083	0.1036	5,684.1603
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
Elementary School	15.5563	0.1678	1.5251	1.2811	9.1500e-003		0.1159	0.1159		0.1159	0.1159		1,830.1518	1,830.1518	0.0351	0.0336	1,841.0275
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35.8043	0.3861	3.2996	1.4041	0.0211		0.2668	0.2668		0.2668	0.2668		4,212.2696	4,212.2696	0.0807	0.0772	4,237.3010
Supermarket	15.7526	0.1699	1.5444	1.2973	9.2700e-003		0.1174	0.1174		0.1174	0.1174		1,853.2515	1,853.2515	0.0355	0.0340	1,864.2645
Total		1.2417	10.7954	5.8660	0.0677		0.8579	0.8579		0.8579	0.8579		13,546.2546	13,546.2546	0.2596	0.2483	13,626.7532

6.0 Area Detail

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
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Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

Category	lb/day										lb/day					
	Mitigated	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293
Unmitigated	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161

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	4.7095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	58.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1467	26.8895	11.4424	0.1716		2.1741	2.1741		2.1741	2.1741	0.0000	34,327.0588	34,327.0588	0.6579	0.6293	34,531.0474
Landscaping	3.9987	1.5385	133.4814	7.0700e-003		0.7420	0.7420		0.7420	0.7420		241.0192	241.0192	0.2300		246.7687
Total	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.7095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	58.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1467	26.8895	11.4424	0.1716		2.1741	2.1741		2.1741	2.1741	0.0000	34,327.0588	34,327.0588	0.6579	0.6293	34,531.0474
Landscaping	3.9987	1.5385	133.4814	7.0700e-003		0.7420	0.7420		0.7420	0.7420		241.0192	241.0192	0.2300		246.7687
Total	70.5703	28.4281	144.9237	0.1787		2.9161	2.9161		2.9161	2.9161	0.0000	34,568.0780	34,568.0780	0.8879	0.6293	34,777.8161

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Green Vally SP Phase 2 - Operations - Riverside-South Coast County, Winter

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

Net Energy and Fuel Use

	Value	Unit
1990 GVSP		
Electricity	41,189	MWh/year
Natural Gas	501,035	therm/year
Gasoline	1,770,296	gal/year
Diesel	120,804	gal/year
Phase 2		
Electricity	23,823	MWh/year
Natural Gas	420,273	therm/year
Gasoline	3,004,247	gal/year
Diesel	205,008	gal/year
Net		
Electricity	-17,366	MWh/year
Natural Gas	-80,763	therm/year
Gasoline	1,233,952	gal/year
Diesel	84,204	gal/year

Phase 2 Operational Energy Use

Land Use	Natural Gas kBTU/year	Natural Gas therm/year	Electricity kWh/year	Electricity MWh/year	Diesel gallons/year
Apartments Low Rise	17,530,900	175,309	4,706,480	4,706	
City Park	0	0	0	0	
Elementary School	5,678,050	56,781	4,580,330	4,580	
Other Asphalt Surfaces	0	0	0	0	
Single Family Housing	13,068,600	130,686	3,602,010	3,602	
Supermarket	5,749,710	57,497	10,934,400	10,934	
Total	42,027,260	420,273	23,823,220	23,823	0

therm/kbtu 100.000000

Phase 2 Operational Fuel Use

Operational Fuel Use Summary

Fuel Type	Fleet Mix (%)	Gallons per Mile	Annual VMT	Gallons
Gasoline	98.13%	0.04	85,828,368	3,004,247
Diesel	1.87%	0.13		205,008

Notes:

1. Fleet mix calculated from CalEEMod default values.
2. Gallons per mile calculated from EMFAC 2017.
3. Annual VMT obtained from CalEEMod output file.

Phase 2 - EMFAC

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2034

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Gasoline Fuel Consumption 1,000 gallons/day	Diesel Fuel Consumption 1,000 gallons/day		
Riverside	2034	All Other Buses	Aggregate	Aggregate	Diesel	249.0912548	12660.75958	2216.912167		1.229327952		
Riverside	2034	LDA	Aggregate	Aggregate	Gasoline	637519.1749	25996936.26	2960690.817	780.4637868			
Riverside	2034	LDA	Aggregate	Aggregate	Diesel	791.0375137	25374.32636	3396.194983		0.533811716		
Riverside	2034	LDT1	Aggregate	Aggregate	Gasoline	49851.93197	1885303.772	220218.9247	67.72118	0		
Riverside	2034	LDT1	Aggregate	Aggregate	Diesel	0.369427962	16.51633278	1.781263897		0.00		
Riverside	2034	LDT2	Aggregate	Aggregate	Gasoline	347192.5949	14456247.96	1618179.468	533.1821983			
Riverside	2034	LDT2	Aggregate	Aggregate	Diesel	1273.684105	53955.21673	6003.184987		1.496383778		
Riverside	2034	LHD1	Aggregate	Aggregate	Gasoline	21392.58422	771673.4905	318717.63	47.75			
Riverside	2034	LHD1	Aggregate	Aggregate	Diesel	16609.77246	566744.419	208930.0424		26.62271186		
Riverside	2034	LHD2	Aggregate	Aggregate	Gasoline	2975.460446	99737.56517	44329.92721	7.129532597	0		
Riverside	2034	LHD2	Aggregate	Aggregate	Diesel	7975.88731	265390.4121	100326.6287		14.73		
Riverside	2034	MCY	Aggregate	Aggregate	Gasoline	31860.00113	179701.6123	63720.00226	4.169546476			
Riverside	2034	MDV	Aggregate	Aggregate	Gasoline	223023.3952	8858184.905	1019943.425	400.17			
Riverside	2034	MDV	Aggregate	Aggregate	Diesel	2795.290604	107673.7337	12657.32292		4.042448247		
Riverside	2034	MH	Aggregate	Aggregate	Gasoline	3525.201663	31093.93914	352.6611744	6.39			
Riverside	2034	MH	Aggregate	Aggregate	Diesel	2248.106449	17953.99769	224.8106449		1.74		
Riverside	2034	Motor Coach	Aggregate	Aggregate	Diesel	68.48592577	8210.311708	1573.806574		1.328478401		
Riverside	2034	OBUS	Aggregate	Aggregate	Gasoline	378.2029447	13489.81096	7567.084518	2.412714834	0.00		
Riverside	2034	PTO	Aggregate	Aggregate	Diesel	0	44878.09988	0		8.18		
Riverside	2034	SBUS	Aggregate	Aggregate	Gasoline	508.9238453	23243.95216	2035.695381	2.559481468			
Riverside	2034	SBUS	Aggregate	Aggregate	Diesel	429.7545457	8515.571895	6222.845822		1.120112336		
Riverside	2034	T6 CAIRP heavy	Aggregate	Aggregate	Diesel	117.2389003	23263.96126	2694.149928		2.09		
Riverside	2034	T6 CAIRP small	Aggregate	Aggregate	Diesel	94.56138313	5005.586384	2173.020584		0.511859422		
Riverside	2034	T6 instate heavy	Aggregate	Aggregate	Diesel	2736.538819	113349.3074	32359.98865		11.90		
Riverside	2034	T6 instate small	Aggregate	Aggregate	Diesel	12158.64916	456033.8123	147172.9201		48.98724999		
Riverside	2034	T6 OOS heavy	Aggregate	Aggregate	Diesel	70.04952482	18860.86267	1609.73808		1.632512371		
Riverside	2034	T6 OOS small	Aggregate	Aggregate	Diesel	77.66459345	4310.198105	1784.732357		0.410348138		
Riverside	2034	T6 Public	Aggregate	Aggregate	Diesel	744.8503033	29048.7668	3821.082056		3.181627472		
Riverside	2034	T6 Utility	Aggregate	Aggregate	Diesel	228.023389	9344.455339	2918.69938		0.9668814		
Riverside	2034	T6TS	Aggregate	Aggregate	Gasoline	1779.566994	91749.30773	35605.57641	16.20262248	5.918901248		
Riverside	2034	T7 CAIRP	Aggregate	Aggregate	Diesel	6053.248587	1249375.463	139103.6525		174.0690043		
Riverside	2034	T7 NNOOS	Aggregate	Aggregate	Diesel	6221.442978	1772921.385	142968.7596		233.3655836		
Riverside	2034	T7 NOOS	Aggregate	Aggregate	Diesel	2689.097148	643960.6172	61795.45247		86.40611087		
Riverside	2034	T7 POLA	Aggregate	Aggregate	Diesel	2743.487217	492390.3795	44883.45086		76.59391479		
Riverside	2034	T7 Public	Aggregate	Aggregate	Diesel	503.5797145	20081.79544	2583.363935		3.277042008		
Riverside	2034	T7 Single	Aggregate	Aggregate	Diesel	3883.56561	209647.0268	36583.18805		32.96183792		
Riverside	2034	T7 SWCV	Aggregate	Aggregate	Diesel	26.78456296	1737.884464	123.2089896		0.61217933		
Riverside	2034	T7 Tractor	Aggregate	Aggregate	Diesel	8465.555932	555831.9667	123004.5277		81.75711477		
Riverside	2034	T7 Utility	Aggregate	Aggregate	Diesel	146.6690887	6101.447406	1877.364336		0.950091616		
Riverside	2034	T7IS	Aggregate	Aggregate	Gasoline	3.614142246	359.8693594	72.31175805	0.079889942	25.8299191		
Riverside	2034	UBUS	Aggregate	Aggregate	Gasoline	109.4792496	11693.48812	437.9169984	1.483154382	8.270937012		
						TOTAL	59,142,054		1869.71	860.72	21.7	0.05
						Total (Gas)	52,419,416				28.0	0.04
						Total (Diesel)	6,722,638				7.8	0.13
						Annual VMT						
						85,828,368						
							Mix (%)	Miles	Gallons			
						Gas	98.1%	84,227,240	3,004,247			
						Diesel	1.9%	1,601,214	205,008			

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
All Project Land Uses	0.552878	0.058674	0.179099	0.12546	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.00104	0.003376

Gas 98.1%
Diesel 1.9%

1990 GVSP - Operational Energy Use

Land Use	Natural Gas kBTU/year	Natural Gas therm/year	Electricity kWh/year	Electricity MWh/year	Diesel gallons/y ear
Apartments Low Rise	2,783,170	27,832	747,189	747	
City Park	0	0	0	0	
Elementary School	3,368,940	33,689	2,717,640	2,718	
Other Asphalt Surfaces	0	0	0	0	
Single Family Housing	28,202,100	282,021	7,773,160	7,773	
Supermarket	15,749,300	157,493	29,950,900	29,951	
Total	50,103,510	501,035	41,188,889	41,189	0

therm/kbtu 100.000000

1990 GVSP - Operational Fuel Use

Operational Fuel Use Summary

Fuel Type	Fleet Mix (%)	Gallons per Mile	Annual VMT	Gallons
Gasoline	98.13%	0.04	50,575,597	1,770,296
Diesel	1.87%	0.13		120,804

Notes:

1. Fleet mix calculated from CalEEMod default values.
2. Gallons per mile calculated from EMFAC 2021.
3. Annual VMT obtained from CalEEMod output file.

1990 GVSP - EMFAC

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2034

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Gasoline Fuel Consumption 1,000 gallons/day	Diesel Fuel Consumption 1,000 gallons/day		
Riverside	2034	All Other Buses	Aggregate	Aggregate	Diesel	249.0912548	12660.75958	2216.912167		1.229327952		
Riverside	2034	LDA	Aggregate	Aggregate	Gasoline	637519.1749	25996936.26	2960690.817	780.4637868			
Riverside	2034	LDA	Aggregate	Aggregate	Diesel	791.0375137	25374.32636	3396.194983		0.533811716		
Riverside	2034	LDT1	Aggregate	Aggregate	Gasoline	49851.93197	1885303.772	220218.9247	67.72118	0		
Riverside	2034	LDT1	Aggregate	Aggregate	Diesel	0.369427962	16.51633278	1.781263897		0.00		
Riverside	2034	LDT2	Aggregate	Aggregate	Gasoline	347192.5949	14456247.96	1618179.468	533.1821983			
Riverside	2034	LDT2	Aggregate	Aggregate	Diesel	1273.684105	53955.21673	6003.184987		1.496383778		
Riverside	2034	LHD1	Aggregate	Aggregate	Gasoline	21392.58422	771673.4905	318717.63	47.75			
Riverside	2034	LHD1	Aggregate	Aggregate	Diesel	16609.77246	566744.419	208930.0424		26.62271186		
Riverside	2034	LHD2	Aggregate	Aggregate	Gasoline	2975.460446	99737.56517	44329.92721	7.129532597	0		
Riverside	2034	LHD2	Aggregate	Aggregate	Diesel	7975.88731	265390.4121	100326.6287		14.73		
Riverside	2034	MCY	Aggregate	Aggregate	Gasoline	31860.00113	179701.6123	63720.00226	4.169546476			
Riverside	2034	MDV	Aggregate	Aggregate	Gasoline	223023.3952	8858184.905	1019943.425	400.17			
Riverside	2034	MDV	Aggregate	Aggregate	Diesel	2795.290604	107673.7337	12657.32292		4.042448247		
Riverside	2034	MH	Aggregate	Aggregate	Gasoline	3525.201663	31093.93914	352.6611744	6.39			
Riverside	2034	MH	Aggregate	Aggregate	Diesel	2248.106449	17953.99769	224.8106449		1.74		
Riverside	2034	Motor Coach	Aggregate	Aggregate	Diesel	68.48592577	8210.311708	1573.806574		1.328478401		
Riverside	2034	OBUS	Aggregate	Aggregate	Gasoline	378.2029447	13489.81096	7567.084518	2.412714834	0.00		
Riverside	2034	PTO	Aggregate	Aggregate	Diesel	0	44878.09988	0		8.18		
Riverside	2034	SBUS	Aggregate	Aggregate	Gasoline	508.9238453	23243.95216	2035.695381	2.559481468			
Riverside	2034	SBUS	Aggregate	Aggregate	Diesel	429.7545457	8515.571895	6222.845822		1.120112336		
Riverside	2034	T6 CAIRP heavy	Aggregate	Aggregate	Diesel	117.2389003	23263.96126	2694.149928		2.09		
Riverside	2034	T6 CAIRP small	Aggregate	Aggregate	Diesel	94.56138313	5005.586384	2173.020584		0.511859422		
Riverside	2034	T6 instate heavy	Aggregate	Aggregate	Diesel	2736.538819	113349.3074	32359.98865		11.90		
Riverside	2034	T6 instate small	Aggregate	Aggregate	Diesel	12158.64916	456033.8123	147172.9201		48.98724999		
Riverside	2034	T6 OOS heavy	Aggregate	Aggregate	Diesel	70.04952482	18860.86267	1609.73808		1.632512371		
Riverside	2034	T6 OOS small	Aggregate	Aggregate	Diesel	77.66459345	4310.198105	1784.732357		0.410348138		
Riverside	2034	T6 Public	Aggregate	Aggregate	Diesel	744.8503033	29048.7668	3821.082056		3.181627472		
Riverside	2034	T6 Utility	Aggregate	Aggregate	Diesel	228.023389	9344.455339	2918.69938		0.9668814		
Riverside	2034	T6TS	Aggregate	Aggregate	Gasoline	1779.566994	91749.30773	35605.57641	16.20262248	5.918901248		
Riverside	2034	T7 CAIRP	Aggregate	Aggregate	Diesel	6053.248587	1249375.463	139103.6525		174.0690043		
Riverside	2034	T7 NNOOS	Aggregate	Aggregate	Diesel	6221.442978	1772921.385	142968.7596		233.3655836		
Riverside	2034	T7 NOOS	Aggregate	Aggregate	Diesel	2689.097148	643960.6172	61795.45247		86.40611087		
Riverside	2034	T7 POLA	Aggregate	Aggregate	Diesel	2743.487217	492390.3795	44883.45086		76.59391479		
Riverside	2034	T7 Public	Aggregate	Aggregate	Diesel	503.5797145	20081.79544	2583.363935		3.277042008		
Riverside	2034	T7 Single	Aggregate	Aggregate	Diesel	3883.56561	209647.0268	36583.18805		32.96183792		
Riverside	2034	T7 SWCV	Aggregate	Aggregate	Diesel	26.78456296	1737.884464	123.2089896		0.61217933		
Riverside	2034	T7 Tractor	Aggregate	Aggregate	Diesel	8465.555932	555831.9667	123004.5277		81.75711477		
Riverside	2034	T7 Utility	Aggregate	Aggregate	Diesel	146.6690887	6101.447406	1877.364336		0.950091616		
Riverside	2034	T7IS	Aggregate	Aggregate	Gasoline	3.614142246	359.8693594	72.31175805	0.079889942	25.8299191		
Riverside	2034	UBUS	Aggregate	Aggregate	Gasoline	109.4792496	11693.48812	437.9169984	1.483154382	8.270937012		
						TOTAL	59,142,054		1869.71	860.72	21.7	0.05
						Total (Gas)	52,419,416				28.0	0.04
						Total (Diesel)	6,722,638				7.8	0.13
						Annual VMT						
						50,575,597						
							Mix (%)	Miles	Gallons			
						Gas	98.1%	49,632,109	1,770,296			
						Diesel	1.9%	943,538	120,804			

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
All Project Land Uses	0.552878	0.058674	0.179099	0.12546	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.00104	0.003376

Gas 98.1%
Diesel 1.9%

Phase 2 Construction Summary

Construction Fuel Usage Summary

	Diesel	Gasoline	Diesel	
Construction Year	Off-road Equipment (gallons)	On-road (gallons)	On-road (gallons)	Combined
2026	140,539	51,131	98	140,638
2027	190,687	72,351	195	190,882
2028	123,517	57,944	97	123,613
2029	185,029	76,824	245	185,273
2030	251,491	111,184	407	251,898
2031	204,792	119,395	257	205,049
2032	45,839	23,074	254	46,093
TOTAL	1,141,894	511,903	1,553	1,143,446

Total Gasoline	511,903	gallons
Total Diesel	1,143,446	gallons

Phase 2 Construction

	Year	Start Date	End Date	Network Days
Phase 2.1				
Grading	2026	1/1/2026	2/27/2026	42
Building Construction	2026	3/2/2026	12/31/2026	219
	2027	1/1/2027	10/11/2027	202
Paving	2027	10/12/2027	11/18/2027	28
Architectural Coating	2026	3/2/2026	12/31/2026	219
	2027	1/1/2027	10/11/2027	202
Phase 2.2				
Grading	2027	6/1/2027	7/28/2027	42
Building Construction	2027	7/29/2027	12/31/2027	112
	2028	1/1/2028	12/31/2028	260
	2029	1/1/2029	3/8/2029	49
	2029	3/9/2029	4/17/2029	28
Paving	2027	7/29/2027	12/31/2027	112
Architectural Coating	2027	7/29/2027	12/31/2027	112
	2028	1/1/2028	12/31/2028	260
	2029	1/1/2029	3/8/2029	49
Phase 2.3				
Grading	2029	1/1/2029	2/27/2029	42
Building Construction	2029	2/28/2029	12/31/2029	219
	2030	1/1/2030	10/9/2030	202
	2030	10/10/2030	11/18/2030	28
Paving	2029	2/28/2029	12/31/2029	219
Architectural Coating	2030	1/1/2030	10/9/2030	202
Phase 2.4				
Grading	2030	6/3/2030	7/30/2030	42
Building Construction	2030	7/31/2030	12/31/2030	110
	2031	1/1/2031	12/31/2031	261
	2032	1/1/2032	3/10/2032	50
	2032	3/11/2032	4/19/2032	28
Paving	2030	7/31/2030	12/31/2030	110
Architectural Coating	2030	7/31/2030	12/31/2030	110
	2031	1/1/2031	12/31/2031	261
	2032	1/1/2032	3/10/2032	50

EQUIPMENT

Construction	Year	non-bio CO ₂ (MT-CO ₂ /yr)	EF Diesel ¹ (kg-CO ₂ /gal)	EF Diesel (gal/MT-CO ₂)	Diesel (gal/yr)
Phase 2.1	2026	1,430.6903	10.18	98.23	140,539.3
	2027	1,044.8820	10.18	98.23	102,640.7
Phase 2.2	2027	896.3137	10.18	98.23	88,046.5
	2028	1,257.4013	10.18	98.23	123,516.8
	2029	293.5521	10.18	98.23	28,836.2
Phase 2.3	2029	1,590.0392	10.18	98.23	156,192.5
	2030	1,256.8467	10.18	98.23	123,462.3
Phase 2.4	2030	1,303.3313	10.18	98.23	128,028.6
	2031	2,084.7827	10.18	98.23	204,792.0
	2032	466.6370	10.18	98.23	45,838.6
Total		11,624			1,141,894

Summary

2026	140,539.3
2027	190,687.20
2028	123,516.8
2029	185,028.61
2030	251,490.96
2031	204,792.0
2032	45,838.6
Total	1,141,894

Ref 1: <https://www.theclimaterestry.org/wp-content/uploads/2020/04/The-Climate-Registry-2020-Default-Emission-Factor-Document.pdf>

Ref 2: <https://arb.ca.gov/emfac/>

conversion: 1000 kg/MT

Trips and VMT

Phase 2.1

2026

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Grading	50	42	2100	0	0	14.70	6.90	20.00	30870	0	0	1,123	0
Building Construction	357	219	78183	89	0	14.70	6.90	20.00	1149290.1	614.1	0	41,822	98
Architectural Coating	71	219	15549	0	0	14.70	6.90	20.00	228570.3	0	0	8,186	0
TOTAL												51,131	98

2027

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Building Construction	357	202	72114	89	0	14.70	6.90	20.00	1060075.8	614.1	0	37,965	97
Paving	30	28	840	0	0	14.70	6.90	20.00	12348	0	0	442	0
Architectural Coating	71	202	14342	0	0	14.70	6.90	20.00	210827.4	0	0	7,550	0
TOTAL												45,958	97

Phase 2.2

2027

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Grading	50	42	2100	0	0	14.70	6.90	20.00	30870	0	0	1,106	0
Building Construction	359	112	40208	89	0	14.70	6.90	20.00	591057.6	614.1	0	21,168	97
Architectural Coating	72	112	8064	0	0	14.70	6.90	20.00	118,540.80	0.00	0	4,120	0
TOTAL												26,393	97

2028

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Building Construction	359	260	93340	89	0	14.70	6.90	20.00	1372098	614.1	0	48,380	97
Architectural Coating	72	260	18720	0	0	14.70	6.90	20.00	275,184.00	0.00	0	9,564	0
TOTAL												57,944	97

2029

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Building Construction	359	49	17591	89	0	14.70	6.90	20.00	258587.7	614.1	0	8,988	96
Paving	30	28	840	0	0	14.70	6.90	20.00	12348	0	0	429	0
Architectural Coating	72	49	3528	0	0	14.70	6.90	20.00	51,861.60	0.00	0	1,803	0
TOTAL												11,219	96

Phase 2.3

2029

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Grading	50	42	2100	0	0	14.70	6.90	20.00	30870	0	0	1,073	0
Building Construction	482	219	105558	139	0	14.70	6.90	20.00	1,551,702.60	959.10	0	53,931	149
Architectural Coating	96	219	21,024	0	0	14.70	6.90	20.00	309,052.80	0.00	0	10,601	0
TOTAL												65,605	149

2030

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Building Construction	482	202	97364	138	0	14.70	6.90	20.00	1431250.8	952.2	0	49,092	147
Paving	30	28	840	0	0	14.70	6.90	20.00	12,348.00	0.00	0	424	0
Architectural Coating	96	202	19,392	0	0	14.70	6.90	20.00	285,062.40	0.00	0	9,778	0
TOTAL												59,294	147

Phase 2.4

2030

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Grading	50	42	2100	0	0	14.70	6.90	20.00	30870	0	0	1,059	0
Building Construction	767	110	84370	245	0	14.70	6.90	20.00	1,240,239.00	1,690.50	0	42,541	260
Architectural Coating	153	110	16,830	0	0	14.70	6.90	20.00	247,401.00	0.00	0	8,291	0
TOTAL												51,890	260

2031

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Building Construction	767	261	200187	245	0	14.70	6.90	20.00	2942748.9	1690.5	0	99,723	257
Architectural Coating	153	261	39,933	0	0	14.70	6.90	20.00	587,015.10	0.00	0	19,672	0
TOTAL												119,395	257

2032

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Building Construction	767	50	38350	245	0	14.70	6.90	20.00	563745	1690.5	0	18,892	254
Paving	30	28	840	0	0	14.70	6.90	20.00	12,348.00	0.00	0	414	0
Architectural Coating	153	50	7,650	0	0	14.70	6.90	20.00	112,455.00	0.00	0	3,769	0
TOTAL												23,074	254

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 2 Construction

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2026	LDA	Aggregate	Aggregate	Gasoline	629192.3553	25836352.57	2926557.767	855.7291684	0.00	30.19	27.48	6.25
Riverside	2026	LDT1	Aggregate	Aggregate	Gasoline	54607.38674	2017862.221	237519.8407	80.98703695	0.00	24.92		
Riverside	2026	LDT2	Aggregate	Aggregate	Gasoline	292443.3988	12519105.47	1373355.57	508.4625908	0.00	24.62		
Riverside	2026	T7 Tractor	Aggregate	Aggregate	Diesel	6591.974527	487903.7918	95781.38987	0.00	78.10	6.25		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2027	LDA	Aggregate	Aggregate	Gasoline	629868.0952	25826570.41	2927808.905	842.0924491	0.00	30.67	27.92	6.30
Riverside	2027	LDT1	Aggregate	Aggregate	Gasoline	53721.02723	1991124.054	233964.7227	78.66207798	0.00	25.31		
Riverside	2027	LDT2	Aggregate	Aggregate	Gasoline	300107.9094	12822913.74	1408618.885	512.1216251	0.00	25.04		
Riverside	2027	T7 Tractor	Aggregate	Aggregate	Diesel	6888.731868	496585.4734	100093.274	0.00	78.77	6.30		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2028	LDA	Aggregate	Aggregate	Gasoline	630767.9712	25822320.91	2930406.692	829.0827242	0.00	31.15	28.36	6.36
Riverside	2028	LDT1	Aggregate	Aggregate	Gasoline	52978.48028	1968448.929	231042.527	76.53896072	0.00	25.72		
Riverside	2028	LDT2	Aggregate	Aggregate	Gasoline	307752.7575	13109815.08	1443382.627	515.4421438	0.00	25.43		
Riverside	2028	T7 Tractor	Aggregate	Aggregate	Diesel	7161.163043	504508.2558	104051.699	0.00	79.28	6.36		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2029	LDA	Aggregate	Aggregate	Gasoline	631597.7277	25823953.02	2933200.31	817.4380275	0.00	31.59	28.77	6.43
Riverside	2029	LDT1	Aggregate	Aggregate	Gasoline	52291.94623	1948081.838	228424.7571	74.59935753	0.00	26.11		
Riverside	2029	LDT2	Aggregate	Aggregate	Gasoline	315178.7459	13378139.69	1476789.808	518.7130292	0.00	25.79		
Riverside	2029	T7 Tractor	Aggregate	Aggregate	Diesel	7412.612337	511837.6731	107705.2573	0.00	79.64	6.43		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2030	LDA	Aggregate	Aggregate	Gasoline	632376.9135	25830313.64	2936137.644	807.1012501	0.00	32.00	29.15	6.50
Riverside	2030	LDT1	Aggregate	Aggregate	Gasoline	51657.71632	1930019.644	226095.783	72.84120641	0.00	26.50		
Riverside	2030	LDT2	Aggregate	Aggregate	Gasoline	322280.9023	13625833.57	1508391.633	521.8017286	0.00	26.11		
Riverside	2030	T7 Tractor	Aggregate	Aggregate	Diesel	7639.41469	518481.8391	111000.6954	0.00	79.82	6.50		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2031	LDA	Aggregate	Aggregate	Gasoline	633273.9796	25849610.55	2939959.042	798.2356972	0.00	32.38	29.51	6.57
Riverside	2031	LDT1	Aggregate	Aggregate	Gasoline	51085.38274	1915027.03	224117.5908	71.28410321	0.00	26.86		
Riverside	2031	LDT2	Aggregate	Aggregate	Gasoline	329026.0633	13856771.63	1538255.176	524.7790021	0.00	26.40		
Riverside	2031	T7 Tractor	Aggregate	Aggregate	Diesel	7865.606658	527727.2089	114287.2647	0.00	80.32	6.57		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2032	LDA	Aggregate	Aggregate	Gasoline	634420.4573	25884314.78	2945321.405	790.6916361	0.00	32.74	29.84	6.65
Riverside	2032	LDT1	Aggregate	Aggregate	Gasoline	50616.82444	1903176.141	222558.2693	69.92779393	0.00	27.22		
Riverside	2032	LDT2	Aggregate	Aggregate	Gasoline	335459.2668	14072532.06	1566629.91	527.574555	0.00	26.67		
Riverside	2032	T7 Tractor	Aggregate	Aggregate	Diesel	8073.395415	536538.2592	117306.4354	0.00	80.72	6.65		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Riverside	2033	LDA	Aggregate	Aggregate	Gasoline	635840.747	25934783.51	2952201.447	785.2662318	0.00	33.03	30.12	6.72
Riverside	2033	LDT1	Aggregate	Aggregate	Gasoline	50225.54339	1893715.163	221311.9555	68.79544844	0.00	27.53		
Riverside	2033	LDT2	Aggregate	Aggregate	Gasoline	341483.6448	14272156.46	1593146.917	530.6130936	0.00	26.90		
Riverside	2033	T7 Tractor	Aggregate	Aggregate	Diesel	8270.917439	545778.947	120176.4304	0.00	81.20	6.72		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

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

GVSP Phase 1C

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	27.10	1000sqft	0.62	27,100.00	0
Parking Lot	212.00	Space	1.91	84,800.00	0
Condo/Townhouse	182.00	Dwelling Unit	9.30	182,000.00	521

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2028
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 - Development of 27,100 sf of commercial space, 212 parking spaces total, and 134 townhomes on a 9.3 acre parcel.

Construction Phase - No demolition, site prep, or grading at project site.

Off-road Equipment - CalEEMod defaults used.

Trips and VMT - Assumed 355 trips per day for building construction and paving, 70 trips for architectural coatings.

Vehicle Trips - VMT to match traffic study

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	300.00	410.00

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tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	PhaseEndDate	6/12/2026	11/12/2027
tblConstructionPhase	PhaseEndDate	4/17/2026	6/25/2027
tblConstructionPhase	PhaseEndDate	5/15/2026	9/17/2027
tblConstructionPhase	PhaseStartDate	5/16/2026	9/18/2027
tblConstructionPhase	PhaseStartDate	2/22/2025	12/1/2025
tblConstructionPhase	PhaseStartDate	4/18/2026	6/26/2027
tblLandUse	LotAcreage	11.38	9.30
tblTripsAndVMT	WorkerTripNumber	175.00	355.00
tblTripsAndVMT	WorkerTripNumber	15.00	355.00
tblTripsAndVMT	WorkerTripNumber	35.00	70.00
tblVehicleTrips	ST_TR	8.14	2.21
tblVehicleTrips	ST_TR	2.21	0.29
tblVehicleTrips	SU_TR	6.28	1.32
tblVehicleTrips	SU_TR	0.70	0.10
tblVehicleTrips	WD_TR	7.32	1.10
tblVehicleTrips	WD_TR	9.74	1.90

2.0 Emissions Summary

GVSP Phase 1C - San Bernardino-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0285	0.1680	0.3056	7.4000e-004	0.0475	6.3800e-003	0.0539	0.0127	6.0000e-003	0.0187			66.4187	7.2100e-003	1.9100e-003	67.1666
2026	0.3144	1.8951	3.3826	8.2400e-003	0.5392	0.0723	0.6116	0.1439	0.0680	0.2119			740.4898	0.0809	0.0208	748.7100
2027	0.9198	1.2110	2.3677	5.6400e-003	0.3925	0.0490	0.4414	0.1046	0.0458	0.1504			506.6553	0.0602	0.0118	511.6841
Maximum	0.9198	1.8951	3.3826	8.2400e-003	0.5392	0.0723	0.6116	0.1439	0.0680	0.2119			740.4898	0.0809	0.0208	748.7100

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					
2025	0.0285	0.1680	0.3056	7.4000e-004	0.0475	6.3800e-003	0.0539	0.0127	6.0000e-003	0.0187			66.4186	7.2100e-003	1.9100e-003	67.1666
2026	0.3144	1.8951	3.3826	8.2400e-003	0.5392	0.0723	0.6116	0.1439	0.0680	0.2119			740.4894	0.0809	0.0208	748.7096
2027	0.9198	1.2110	2.3677	5.6400e-003	0.3925	0.0490	0.4414	0.1046	0.0458	0.1504			506.6550	0.0602	0.0118	511.6839
Maximum	0.9198	1.8951	3.3826	8.2400e-003	0.5392	0.0723	0.6116	0.1439	0.0680	0.2119			740.4894	0.0809	0.0208	748.7096

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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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
4	9-2-2025	12-1-2025	0.0061	0.0061
5	12-2-2025	3-1-2026	0.5478	0.5478
6	3-2-2026	6-1-2026	0.5568	0.5568
7	6-2-2026	9-1-2026	0.5561	0.5561
8	9-2-2026	12-1-2026	0.5515	0.5515
9	12-2-2026	3-1-2027	0.5432	0.5432
10	3-2-2027	6-1-2027	0.5523	0.5523
11	6-2-2027	9-1-2027	0.4152	0.4152
12	9-2-2027	9-30-2027	0.2355	0.2355
		Highest	0.5568	0.5568

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4845	0.0688	3.0351	3.0500e-003		0.1842	0.1842		0.1842	0.1842			59.5529	0.0606	1.3100e-003	61.4590
Energy	0.0137	0.1186	0.0599	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003			346.6028	0.0204	4.6500e-003	348.4973
Mobile	0.1193	0.1813	1.2467	2.9500e-003	0.3489	2.2300e-003	0.3512	0.0932	2.0800e-003	0.0953			272.8370	0.0148	0.0135	277.2335
Waste						0.0000	0.0000		0.0000	0.0000			22.1098	1.3067	0.0000	54.7760
Water						0.0000	0.0000		0.0000	0.0000			64.3414	0.5483	0.0134	82.0528
Total	1.6175	0.3688	4.3417	6.7500e-003	0.3489	0.1959	0.5448	0.0932	0.1958	0.2890			765.4438	1.9508	0.0329	824.0186

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4845	0.0688	3.0351	3.0500e-003		0.1842	0.1842		0.1842	0.1842			59.5529	0.0606	1.3100e-003	61.4590
Energy	0.0137	0.1186	0.0599	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003			346.6028	0.0204	4.6500e-003	348.4973
Mobile	0.1193	0.1813	1.2467	2.9500e-003	0.3489	2.2300e-003	0.3512	0.0932	2.0800e-003	0.0953			272.8370	0.0148	0.0135	277.2335
Waste						0.0000	0.0000		0.0000	0.0000			22.1098	1.3067	0.0000	54.7760
Water						0.0000	0.0000		0.0000	0.0000			64.3414	0.5483	0.0134	82.0528
Total	1.6175	0.3688	4.3417	6.7500e-003	0.3489	0.1959	0.5448	0.0932	0.1958	0.2890			765.4438	1.9508	0.0329	824.0186

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	12/1/2025	6/25/2027	5	410	
2	Paving	Paving	6/26/2027	9/17/2027	5	60	
3	Architectural Coating	Architectural Coating	9/18/2027	11/12/2027	5	40	

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

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.91

Residential Indoor: 368,550; Residential Outdoor: 122,850; Non-Residential Indoor: 40,650; Non-Residential Outdoor: 13,550; Striped Parking Area: 5,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
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	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	355.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	355.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

3.2 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	0.0157	0.1434	0.1850	3.1000e-004		6.0700e-003	6.0700e-003		5.7100e-003	5.7100e-003			26.6707	6.2700e-003	0.0000	26.8275
Total	0.0157	0.1434	0.1850	3.1000e-004		6.0700e-003	6.0700e-003		5.7100e-003	5.7100e-003			26.6707	6.2700e-003	0.0000	26.8275

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
Vendor	4.7000e-004	0.0162	6.3200e-003	8.0000e-005	2.7600e-003	1.1000e-004	2.8700e-003	8.0000e-004	1.1000e-004	9.0000e-004			7.3654	1.9000e-004	1.0900e-003	7.6941
Worker	0.0123	8.3900e-003	0.1143	3.5000e-004	0.0448	2.0000e-004	0.0450	0.0119	1.9000e-004	0.0121			32.3826	7.5000e-004	8.2000e-004	32.6450
Total	0.0128	0.0246	0.1207	4.3000e-004	0.0475	3.1000e-004	0.0478	0.0127	3.0000e-004	0.0130			39.7479	9.4000e-004	1.9100e-003	40.3391

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3.2 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	tons/yr										MT/yr					
Off-Road	0.0157	0.1434	0.1850	3.1000e-004		6.0700e-003	6.0700e-003		5.7100e-003	5.7100e-003			26.6707	6.2700e-003	0.0000	26.8274
Total	0.0157	0.1434	0.1850	3.1000e-004		6.0700e-003	6.0700e-003		5.7100e-003	5.7100e-003			26.6707	6.2700e-003	0.0000	26.8274

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
Vendor	4.7000e-004	0.0162	6.3200e-003	8.0000e-005	2.7600e-003	1.1000e-004	2.8700e-003	8.0000e-004	1.1000e-004	9.0000e-004			7.3654	1.9000e-004	1.0900e-003	7.6941
Worker	0.0123	8.3900e-003	0.1143	3.5000e-004	0.0448	2.0000e-004	0.0450	0.0119	1.9000e-004	0.0121			32.3826	7.5000e-004	8.2000e-004	32.6450
Total	0.0128	0.0246	0.1207	4.3000e-004	0.0475	3.1000e-004	0.0478	0.0127	3.0000e-004	0.0130			39.7479	9.4000e-004	1.9100e-003	40.3391

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3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648			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			302.6549	0.0711	0.0000	304.4335

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
Vendor	5.2600e-003	0.1821	0.0708	8.4000e-004	0.0313	1.2800e-003	0.0326	9.0300e-003	1.2200e-003	0.0103			81.9204	2.0500e-003	0.0121	85.5743
Worker	0.1307	0.0857	1.2128	3.8800e-003	0.5080	2.2000e-003	0.5102	0.1349	2.0200e-003	0.1369			355.9145	7.7100e-003	8.7100e-003	358.7022
Total	0.1359	0.2678	1.2836	4.7200e-003	0.5392	3.4800e-003	0.5427	0.1439	3.2400e-003	0.1472			437.8349	9.7600e-003	0.0208	444.2765

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3.2 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	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648			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			302.6545	0.0711	0.0000	304.4331

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
Vendor	5.2600e-003	0.1821	0.0708	8.4000e-004	0.0313	1.2800e-003	0.0326	9.0300e-003	1.2200e-003	0.0103			81.9204	2.0500e-003	0.0121	85.5743
Worker	0.1307	0.0857	1.2128	3.8800e-003	0.5080	2.2000e-003	0.5102	0.1349	2.0200e-003	0.1369			355.9145	7.7100e-003	8.7100e-003	358.7022
Total	0.1359	0.2678	1.2836	4.7200e-003	0.5392	3.4800e-003	0.5427	0.1439	3.2400e-003	0.1472			437.8349	9.7600e-003	0.0208	444.2765

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3.2 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	0.0862	0.7856	1.0133	1.7000e-003		0.0332	0.0332		0.0313	0.0313			146.1093	0.0344	0.0000	146.9679
Total	0.0862	0.7856	1.0133	1.7000e-003		0.0332	0.0332		0.0313	0.0313			146.1093	0.0344	0.0000	146.9679

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
Vendor	2.5000e-003	0.0873	0.0338	4.0000e-004	0.0151	6.1000e-004	0.0157	4.3600e-003	5.9000e-004	4.9400e-003			38.7117	9.6000e-004	5.7100e-003	40.4373
Worker	0.0591	0.0375	0.5505	1.8200e-003	0.2452	1.0000e-003	0.2462	0.0651	9.2000e-004	0.0661			166.8001	3.3900e-003	3.9700e-003	168.0687
Total	0.0616	0.1248	0.5843	2.2200e-003	0.2603	1.6100e-003	0.2619	0.0695	1.5100e-003	0.0710			205.5118	4.3500e-003	9.6800e-003	208.5060

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3.2 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0862	0.7856	1.0133	1.7000e-003		0.0332	0.0332		0.0313	0.0313			146.1091	0.0344	0.0000	146.9677
Total	0.0862	0.7856	1.0133	1.7000e-003		0.0332	0.0332		0.0313	0.0313			146.1091	0.0344	0.0000	146.9677

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
Vendor	2.5000e-003	0.0873	0.0338	4.0000e-004	0.0151	6.1000e-004	0.0157	4.3600e-003	5.9000e-004	4.9400e-003			38.7117	9.6000e-004	5.7100e-003	40.4373
Worker	0.0591	0.0375	0.5505	1.8200e-003	0.2452	1.0000e-003	0.2462	0.0651	9.2000e-004	0.0661			166.8001	3.3900e-003	3.9700e-003	168.0687
Total	0.0616	0.1248	0.5843	2.2200e-003	0.2603	1.6100e-003	0.2619	0.0695	1.5100e-003	0.0710			205.5118	4.3500e-003	9.6800e-003	208.5060

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3.3 Paving - 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	0.0275	0.2575	0.4373	6.8000e-004		0.0126	0.0126		0.0116	0.0116			60.0578	0.0194	0.0000	60.5434
Paving	2.5000e-003					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0300	0.2575	0.4373	6.8000e-004		0.0126	0.0126		0.0116	0.0116			60.0578	0.0194	0.0000	60.5434

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
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
Worker	0.0282	0.0179	0.2621	8.7000e-004	0.1168	4.7000e-004	0.1173	0.0310	4.4000e-004	0.0315			79.4286	1.6100e-003	1.8900e-003	80.0327
Total	0.0282	0.0179	0.2621	8.7000e-004	0.1168	4.7000e-004	0.1173	0.0310	4.4000e-004	0.0315			79.4286	1.6100e-003	1.8900e-003	80.0327

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3.3 Paving - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0275	0.2575	0.4373	6.8000e-004		0.0126	0.0126		0.0116	0.0116			60.0577	0.0194	0.0000	60.5433
Paving	2.5000e-003					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0300	0.2575	0.4373	6.8000e-004		0.0126	0.0126		0.0116	0.0116			60.0577	0.0194	0.0000	60.5433

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
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
Worker	0.0282	0.0179	0.2621	8.7000e-004	0.1168	4.7000e-004	0.1173	0.0310	4.4000e-004	0.0315			79.4286	1.6100e-003	1.8900e-003	80.0327
Total	0.0282	0.0179	0.2621	8.7000e-004	0.1168	4.7000e-004	0.1173	0.0310	4.4000e-004	0.0315			79.4286	1.6100e-003	1.8900e-003	80.0327

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3.4 Architectural Coating - 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					
Archit. Coating	0.7068					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003			5.1065	2.8000e-004	0.0000	5.1135
Total	0.7102	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003			5.1065	2.8000e-004	0.0000	5.1135

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
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
Worker	3.7000e-003	2.3500e-003	0.0345	1.1000e-004	0.0154	6.0000e-005	0.0154	4.0800e-003	6.0000e-005	4.1300e-003			10.4413	2.1000e-004	2.5000e-004	10.5207
Total	3.7000e-003	2.3500e-003	0.0345	1.1000e-004	0.0154	6.0000e-005	0.0154	4.0800e-003	6.0000e-005	4.1300e-003			10.4413	2.1000e-004	2.5000e-004	10.5207

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3.4 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7068					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003			5.1065	2.8000e-004	0.0000	5.1135
Total	0.7102	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003			5.1065	2.8000e-004	0.0000	5.1135

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
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
Worker	3.7000e-003	2.3500e-003	0.0345	1.1000e-004	0.0154	6.0000e-005	0.0154	4.0800e-003	6.0000e-005	4.1300e-003			10.4413	2.1000e-004	2.5000e-004	10.5207
Total	3.7000e-003	2.3500e-003	0.0345	1.1000e-004	0.0154	6.0000e-005	0.0154	4.0800e-003	6.0000e-005	4.1300e-003			10.4413	2.1000e-004	2.5000e-004	10.5207

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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	tons/yr										MT/yr					
Mitigated	0.1193	0.1813	1.2467	2.9500e-003	0.3489	2.2300e-003	0.3512	0.0932	2.0800e-003	0.0953			272.8370	0.0148	0.0135	277.2335
Unmitigated	0.1193	0.1813	1.2467	2.9500e-003	0.3489	2.2300e-003	0.3512	0.0932	2.0800e-003	0.0953			272.8370	0.0148	0.0135	277.2335

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	200.20	402.22	240.24	802,279	802,279
General Office Building	51.49	7.86	2.71	123,345	123,345
Parking Lot	0.00	0.00	0.00		
Total	251.69	410.08	242.95	925,624	925,624

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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.548878	0.057008	0.174730	0.128969	0.024021	0.006741	0.012519	0.017254	0.000542	0.000239	0.024128	0.000963	0.004007
General Office Building	0.548878	0.057008	0.174730	0.128969	0.024021	0.006741	0.012519	0.017254	0.000542	0.000239	0.024128	0.000963	0.004007
Parking Lot	0.548878	0.057008	0.174730	0.128969	0.024021	0.006741	0.012519	0.017254	0.000542	0.000239	0.024128	0.000963	0.004007

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000			210.7727	0.0178	2.1600e-003	211.8600
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			210.7727	0.0178	2.1600e-003	211.8600
NaturalGas Mitigated	0.0137	0.1186	0.0599	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003			135.8301	2.6000e-003	2.4900e-003	136.6373
NaturalGas Unmitigated	0.0137	0.1186	0.0599	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003			135.8301	2.6000e-003	2.4900e-003	136.6373

GVSP Phase 1C - San Bernardino-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					
Condo/Townhouse	2.08385e+006	0.0112	0.0960	0.0409	6.1000e-004		7.7600e-003	7.7600e-003		7.7600e-003	7.7600e-003			111.2020	2.1300e-003	2.0400e-003	111.8628
General Office Building	461513	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003			24.6281	4.7000e-004	4.5000e-004	24.7744
Parking Lot	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
Total		0.0137	0.1186	0.0599	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003			135.8301	2.6000e-003	2.4900e-003	136.6373

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	2.08385e+006	0.0112	0.0960	0.0409	6.1000e-004		7.7600e-003	7.7600e-003		7.7600e-003	7.7600e-003			111.2020	2.1300e-003	2.0400e-003	111.8628
General Office Building	461513	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003			24.6281	4.7000e-004	4.5000e-004	24.7744
Parking Lot	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
Total		0.0137	0.1186	0.0599	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003			135.8301	2.6000e-003	2.4900e-003	136.6373

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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

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	897020	159.0825	0.0134	1.6300e-003	159.9031
General Office Building	261786	46.4266	3.9200e-003	4.7000e-004	46.6661
Parking Lot	29680	5.2636	4.4000e-004	5.0000e-005	5.2908
Total		210.7727	0.0178	2.1500e-003	211.8600

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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			
Condo/Townhouse	897020	159.0825	0.0134	1.6300e-003	159.9031
General Office Building	261786	46.4266	3.9200e-003	4.7000e-004	46.6661
Parking Lot	29680	5.2636	4.4000e-004	5.0000e-005	5.2908
Total		210.7727	0.0178	2.1500e-003	211.8600

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	1.4845	0.0688	3.0351	3.0500e-003		0.1842	0.1842		0.1842	0.1842			59.5529	0.0606	1.3100e-003	61.4590
Unmitigated	1.4845	0.0688	3.0351	3.0500e-003		0.1842	0.1842		0.1842	0.1842			59.5529	0.0606	1.3100e-003	61.4590

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	0.0707					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7611					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.5961	0.0472	1.1570	2.9500e-003		0.1738	0.1738		0.1738	0.1738			56.4811	0.0577	1.3100e-003	58.3134
Landscaping	0.0566	0.0216	1.8782	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0718	2.9500e-003	0.0000	3.1456
Total	1.4845	0.0688	3.0351	3.0500e-003		0.1842	0.1842		0.1842	0.1842			59.5529	0.0606	1.3100e-003	61.4590

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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	0.0707					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7611					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.5961	0.0472	1.1570	2.9500e-003		0.1738	0.1738		0.1738	0.1738			56.4811	0.0577	1.3100e-003	58.3134
Landscaping	0.0566	0.0216	1.8782	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0718	2.9500e-003	0.0000	3.1456
Total	1.4845	0.0688	3.0351	3.0500e-003		0.1842	0.1842		0.1842	0.1842			59.5529	0.0606	1.3100e-003	61.4590

7.0 Water Detail

7.1 Mitigation Measures Water

GVSP Phase 1C - San Bernardino-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	64.3414	0.5483	0.0134	82.0528
Unmitigated	64.3414	0.5483	0.0134	82.0528

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	11.858 / 7.47572	45.8742	0.3900	9.5500e-003	58.4702
General Office Building	4.81658 / 2.9521	18.4672	0.1584	3.8800e-003	23.5826
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		64.3414	0.5483	0.0134	82.0528

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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			
Condo/Townhouse	11.858 / 7.47572	45.8742	0.3900	9.5500e-003	58.4702
General Office Building	4.81658 / 2.9521	18.4672	0.1584	3.8800e-003	23.5826
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		64.3414	0.5483	0.0134	82.0528

8.0 Waste Detail

8.1 Mitigation Measures Waste

GVSP Phase 1C - San Bernardino-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	22.1098	1.3067	0.0000	54.7760
Unmitigated	22.1098	1.3067	0.0000	54.7760

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	83.72	16.9944	1.0043	0.0000	42.1029
General Office Building	25.2	5.1154	0.3023	0.0000	12.6731
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		22.1098	1.3067	0.0000	54.7760

GVSP Phase 1C - San Bernardino-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			
Condo/Townhouse	83.72	16.9944	1.0043	0.0000	42.1029
General Office Building	25.2	5.1154	0.3023	0.0000	12.6731
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		22.1098	1.3067	0.0000	54.7760

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

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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GVSP Phase 1C - San Bernardino-South Coast County, Annual

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

11.0 Vegetation

GVSP Phase 1C - San Bernardino-South Coast County, Summer

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

GVSP Phase 1C

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	27.10	1000sqft	0.62	27,100.00	0
Parking Lot	212.00	Space	1.91	84,800.00	0
Condo/Townhouse	182.00	Dwelling Unit	9.30	182,000.00	521

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2028
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 - Development of 27,100 sf of commercial space, 212 parking spaces total, and 134 townhomes on a 9.3 acre parcel.

Construction Phase - No demolition, site prep, or grading at project site.

Off-road Equipment - CalEEMod defaults used.

Trips and VMT - Assumed 355 trips per day for building construction and paving, 70 trips for architectural coatings.

Vehicle Trips - VMT to match traffic study

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	300.00	410.00

GVSP Phase 1C - San Bernardino-South Coast County, Summer

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

tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	PhaseEndDate	6/12/2026	11/12/2027
tblConstructionPhase	PhaseEndDate	4/17/2026	6/25/2027
tblConstructionPhase	PhaseEndDate	5/15/2026	9/17/2027
tblConstructionPhase	PhaseStartDate	5/16/2026	9/18/2027
tblConstructionPhase	PhaseStartDate	2/22/2025	12/1/2025
tblConstructionPhase	PhaseStartDate	4/18/2026	6/26/2027
tblLandUse	LotAcreage	11.38	9.30
tblTripsAndVMT	WorkerTripNumber	175.00	355.00
tblTripsAndVMT	WorkerTripNumber	15.00	355.00
tblTripsAndVMT	WorkerTripNumber	35.00	70.00
tblVehicleTrips	ST_TR	8.14	2.21
tblVehicleTrips	ST_TR	2.21	0.29
tblVehicleTrips	SU_TR	6.28	1.32
tblVehicleTrips	SU_TR	0.70	0.10
tblVehicleTrips	WD_TR	7.32	1.10
tblVehicleTrips	WD_TR	9.74	1.90

2.0 Emissions Summary

GVSP Phase 1C - San Bernardino-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					
2025	2.6084	14.4690	28.1239	0.0668	4.2115	0.5552	4.7667	1.1225	0.5221	1.6445			6,619.9436	0.6894	0.1777	6,690.1227
2026	2.5297	14.3936	27.3568	0.0656	4.2115	0.5542	4.7657	1.1225	0.5211	1.6436			6,499.8138	0.6821	0.1710	6,567.8348
2027	35.7182	14.3284	26.7012	0.0645	4.2115	0.5531	4.7646	1.1225	0.5201	1.6426			6,389.8106	0.7716	0.1651	6,455.8912
Maximum	35.7182	14.4690	28.1239	0.0668	4.2115	0.5552	4.7667	1.1225	0.5221	1.6445			6,619.9436	0.7716	0.1777	6,690.1227

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.6084	14.4690	28.1239	0.0668	4.2115	0.5552	4.7667	1.1225	0.5221	1.6445			6,619.9436	0.6894	0.1777	6,690.1227
2026	2.5297	14.3936	27.3568	0.0656	4.2115	0.5542	4.7657	1.1225	0.5211	1.6436			6,499.8138	0.6821	0.1710	6,567.8348
2027	35.7182	14.3284	26.7012	0.0645	4.2115	0.5531	4.7646	1.1225	0.5201	1.6426			6,389.8106	0.7716	0.1651	6,455.8912
Maximum	35.7182	14.4690	28.1239	0.0668	4.2115	0.5552	4.7667	1.1225	0.5221	1.6445			6,619.9436	0.7716	0.1777	6,690.1227

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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	52.7007	3.9492	107.5818	0.2369		13.9860	13.9860		13.9860	13.9860			5,007.8680	5.1100	0.1157	5,170.0993
Energy	0.0752	0.6501	0.3280	4.1000e-003		0.0520	0.0520		0.0520	0.0520			820.4223	0.0157	0.0150	825.2977
Mobile	1.2638	1.5306	12.1804	0.0286	3.2516	0.0204	3.2720	0.8671	0.0191	0.8862			2,921.2607	0.1448	0.1313	2,964.0029
Total	54.0397	6.1299	120.0902	0.2697	3.2516	14.0583	17.3100	0.8671	14.0570	14.9241			8,749.5510	5.2705	0.2620	8,959.3998

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	52.7007	3.9492	107.5818	0.2369		13.9860	13.9860		13.9860	13.9860			5,007.8680	5.1100	0.1157	5,170.0993
Energy	0.0752	0.6501	0.3280	4.1000e-003		0.0520	0.0520		0.0520	0.0520			820.4223	0.0157	0.0150	825.2977
Mobile	1.2638	1.5306	12.1804	0.0286	3.2516	0.0204	3.2720	0.8671	0.0191	0.8862			2,921.2607	0.1448	0.1313	2,964.0029
Total	54.0397	6.1299	120.0902	0.2697	3.2516	14.0583	17.3100	0.8671	14.0570	14.9241			8,749.5510	5.2705	0.2620	8,959.3998

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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
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	Building Construction	Building Construction	12/1/2025	6/25/2027	5	410	
2	Paving	Paving	6/26/2027	9/17/2027	5	60	
3	Architectural Coating	Architectural Coating	9/18/2027	11/12/2027	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.91

Residential Indoor: 368,550; Residential Outdoor: 122,850; Non-Residential Indoor: 40,650; Non-Residential Outdoor: 13,550; Striped Parking Area: 5,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
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	Tractors/Loaders/Backhoes	3	7.00	97	0.37

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

Building Construction	Welders	1	8.00	46	0.45
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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
Building Construction	9	355.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	355.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 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			2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981

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

3.2 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	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
Vendor	0.0426	1.3367	0.5414	6.5800e-003	0.2435	9.8500e-003	0.2533	0.0701	9.4200e-003	0.0795			705.2595	0.0180	0.1041	736.7229
Worker	1.1984	0.6626	11.4979	0.0332	3.9681	0.0178	3.9859	1.0524	0.0164	1.0687			3,358.2097	0.0705	0.0736	3,381.9018
Total	1.2410	1.9993	12.0393	0.0398	4.2115	0.0276	4.2392	1.1225	0.0258	1.1482			4,063.4692	0.0884	0.1777	4,118.6247

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			2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981

GVSP Phase 1C - San Bernardino-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 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	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
Vendor	0.0426	1.3367	0.5414	6.5800e-003	0.2435	9.8500e-003	0.2533	0.0701	9.4200e-003	0.0795			705.2595	0.0180	0.1041	736.7229
Worker	1.1984	0.6626	11.4979	0.0332	3.9681	0.0178	3.9859	1.0524	0.0164	1.0687			3,358.2097	0.0705	0.0736	3,381.9018
Total	1.2410	1.9993	12.0393	0.0398	4.2115	0.0276	4.2392	1.1225	0.0258	1.1482			4,063.4692	0.0884	0.1777	4,118.6247

3.2 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			2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981

GVSP Phase 1C - San Bernardino-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 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	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
Vendor	0.0419	1.3268	0.5342	6.4500e-003	0.2435	9.7900e-003	0.2532	0.0701	9.3700e-003	0.0795			691.2442	0.0174	0.1020	722.0589
Worker	1.1204	0.5971	10.7379	0.0322	3.9681	0.0169	3.9849	1.0524	0.0155	1.0679			3,252.0953	0.0637	0.0691	3,274.2778
Total	1.1623	1.9239	11.2721	0.0386	4.2115	0.0266	4.2382	1.1225	0.0249	1.1473			3,943.3394	0.0811	0.1710	3,996.3367

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			2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981

GVSP Phase 1C - San Bernardino-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 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	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
Vendor	0.0419	1.3268	0.5342	6.4500e-003	0.2435	9.7900e-003	0.2532	0.0701	9.3700e-003	0.0795			691.2442	0.0174	0.1020	722.0589
Worker	1.1204	0.5971	10.7379	0.0322	3.9681	0.0169	3.9849	1.0524	0.0155	1.0679			3,252.0953	0.0637	0.0691	3,274.2778
Total	1.1623	1.9239	11.2721	0.0386	4.2115	0.0266	4.2382	1.1225	0.0249	1.1473			3,943.3394	0.0811	0.1710	3,996.3367

3.2 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981

GVSP Phase 1C - San Bernardino-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 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	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
Vendor	0.0412	1.3168	0.5280	6.3100e-003	0.2435	9.7200e-003	0.2532	0.0701	9.3000e-003	0.0794			676.6253	0.0168	0.0998	706.7702
Worker	1.0490	0.5419	10.0885	0.0312	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669			3,156.7110	0.0579	0.0653	3,177.6229
Total	1.0903	1.8587	10.6166	0.0375	4.2115	0.0255	4.2371	1.1225	0.0239	1.1463			3,833.3363	0.0747	0.1651	3,884.3931

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			2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981

GVSP Phase 1C - San Bernardino-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 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	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
Vendor	0.0412	1.3168	0.5280	6.3100e-003	0.2435	9.7200e-003	0.2532	0.0701	9.3000e-003	0.0794			676.6253	0.0168	0.0998	706.7702
Worker	1.0490	0.5419	10.0885	0.0312	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669			3,156.7110	0.0579	0.0653	3,177.6229
Total	1.0903	1.8587	10.6166	0.0375	4.2115	0.0255	4.2371	1.1225	0.0239	1.1463			3,833.3363	0.0747	0.1651	3,884.3931

3.3 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850			2,206.7452	0.7137		2,224.5878
Paving	0.0834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9986	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850			2,206.7452	0.7137		2,224.5878

GVSP Phase 1C - San Bernardino-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 - 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	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
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
Worker	1.0490	0.5419	10.0885	0.0312	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669			3,156.7110	0.0579	0.0653	3,177.6229
Total	1.0490	0.5419	10.0885	0.0312	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669			3,156.7110	0.0579	0.0653	3,177.6229

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850			2,206.7452	0.7137		2,224.5878
Paving	0.0834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9986	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850			2,206.7452	0.7137		2,224.5878

GVSP Phase 1C - San Bernardino-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 - 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	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
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
Worker	1.0490	0.5419	10.0885	0.0312	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669			3,156.7110	0.0579	0.0653	3,177.6229
Total	1.0490	0.5419	10.0885	0.0312	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669			3,156.7110	0.0579	0.0653	3,177.6229

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.3405					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	0.0154		281.8319
Total	35.5113	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515			281.4481	0.0154		281.8319

GVSP Phase 1C - San Bernardino-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 Architectural Coating - 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	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
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
Worker	0.2069	0.1069	1.9893	6.1600e-003	0.7824	3.1200e-003	0.7856	0.2075	2.8700e-003	0.2104			622.4501	0.0114	0.0129	626.5735
Total	0.2069	0.1069	1.9893	6.1600e-003	0.7824	3.1200e-003	0.7856	0.2075	2.8700e-003	0.2104			622.4501	0.0114	0.0129	626.5735

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	35.3405					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	0.0154		281.8319
Total	35.5113	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515			281.4481	0.0154		281.8319

GVSP Phase 1C - San Bernardino-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 Architectural Coating - 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	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
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
Worker	0.2069	0.1069	1.9893	6.1600e-003	0.7824	3.1200e-003	0.7856	0.2075	2.8700e-003	0.2104			622.4501	0.0114	0.0129	626.5735
Total	0.2069	0.1069	1.9893	6.1600e-003	0.7824	3.1200e-003	0.7856	0.2075	2.8700e-003	0.2104			622.4501	0.0114	0.0129	626.5735

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

GVSP Phase 1C - San Bernardino-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
Category	lb/day										lb/day					
Mitigated	1.2638	1.5306	12.1804	0.0286	3.2516	0.0204	3.2720	0.8671	0.0191	0.8862			2,921,260 7	0.1448	0.1313	2,964.002 9
Unmitigated	1.2638	1.5306	12.1804	0.0286	3.2516	0.0204	3.2720	0.8671	0.0191	0.8862			2,921,260 7	0.1448	0.1313	2,964.002 9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	200.20	402.22	240.24	802,279	802,279
General Office Building	51.49	7.86	2.71	123,345	123,345
Parking Lot	0.00	0.00	0.00		
Total	251.69	410.08	242.95	925,624	925,624

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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	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
Condo/Townhouse	0.548878	0.057008	0.174730	0.128969	0.024021	0.006741	0.012519	0.017254	0.000542	0.000239	0.024128	0.000963	0.004007
General Office Building	0.548878	0.057008	0.174730	0.128969	0.024021	0.006741	0.012519	0.017254	0.000542	0.000239	0.024128	0.000963	0.004007

GVSP Phase 1C - San Bernardino-South Coast County, Summer

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

Parking Lot	0.548878	0.057008	0.174730	0.128969	0.024021	0.006741	0.012519	0.017254	0.000542	0.000239	0.024128	0.000963	0.004007
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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	lb/day										lb/day					
NaturalGas Mitigated	0.0752	0.6501	0.3280	4.1000e-003		0.0520	0.0520		0.0520	0.0520			820.4223	0.0157	0.0150	825.2977
NaturalGas Unmitigated	0.0752	0.6501	0.3280	4.1000e-003		0.0520	0.0520		0.0520	0.0520			820.4223	0.0157	0.0150	825.2977

GVSP Phase 1C - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	5709.17	0.0616	0.5261	0.2239	3.3600e-003		0.0425	0.0425		0.0425	0.0425			671.6671	0.0129	0.0123	675.6585
General Office Building	1264.42	0.0136	0.1240	0.1041	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003			148.7552	2.8500e-003	2.7300e-003	149.6392
Parking Lot	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
Total		0.0752	0.6501	0.3280	4.1000e-003		0.0520	0.0520		0.0520	0.0520			820.4223	0.0157	0.0150	825.2977

GVSP Phase 1C - San Bernardino-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

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					
Condo/Townhouse	5.70917	0.0616	0.5261	0.2239	3.3600e-003		0.0425	0.0425		0.0425	0.0425			671.6671	0.0129	0.0123	675.6585
General Office Building	1.26442	0.0136	0.1240	0.1041	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003			148.7552	2.8500e-003	2.7300e-003	149.6392
Parking Lot	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
Total		0.0752	0.6501	0.3280	4.1000e-003		0.0520	0.0520		0.0520	0.0520			820.4223	0.0157	0.0150	825.2977

6.0 Area Detail

6.1 Mitigation Measures Area

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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
Category	lb/day										lb/day					
Mitigated	52.7007	3.9492	107.5818	0.2369		13.9860	13.9860		13.9860	13.9860			5,007.8680	5.1100	0.1157	5,170.0993
Unmitigated	52.7007	3.9492	107.5818	0.2369		13.9860	13.9860		13.9860	13.9860			5,007.8680	5.1100	0.1157	5,170.0993

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	0.3873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.6906	3.7762	92.5564	0.2361		13.9027	13.9027		13.9027	13.9027			4,980.7792	5.0840	0.1157	5,142.3598
Landscaping	0.4526	0.1730	15.0254	7.9000e-004		0.0833	0.0833		0.0833	0.0833			27.0889	0.0260		27.7395
Total	52.7007	3.9492	107.5818	0.2369		13.9860	13.9860		13.9860	13.9860			5,007.8680	5.1100	0.1157	5,170.0993

GVSP Phase 1C - San Bernardino-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	0.3873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.6906	3.7762	92.5564	0.2361		13.9027	13.9027		13.9027	13.9027			4,980.7792	5.0840	0.1157	5,142.3598
Landscaping	0.4526	0.1730	15.0254	7.9000e-004		0.0833	0.0833		0.0833	0.0833			27.0889	0.0260		27.7395
Total	52.7007	3.9492	107.5818	0.2369		13.9860	13.9860		13.9860	13.9860			5,007.8680	5.1100	0.1157	5,170.0993

7.0 Water Detail

7.1 Mitigation Measures Water

GVSP Phase 1C - San Bernardino-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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