

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

**Calimesa RIPA0Z
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	21.82	Acre	21.82	950,261.40	0
Apartments Low Rise	1,246.00	Dwelling Unit	31.81	1,246,000.00	3564
Condo/Townhouse	513.00	Dwelling Unit	33.64	513,000.00	1467

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

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

Construction Phase - see table

Off-road Equipment - 8 hr day

Off-road Equipment - 8 hr day

Off-road Equipment -

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

Demolition - assumed 50,000 SF of demolition

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

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

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

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

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

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.3970	34.6261	28.8098	0.0644	19.8710	1.4261	21.1386	10.1595	1.3120	11.3256	0.0000	6,247.2800	6,247.2800	1.9492	0.0300	6,299.0401
2024	7.6176	32.4825	78.7800	0.2466	20.8252	1.3370	21.6620	5.5730	1.2300	6.3591	0.0000	25,042.5074	25,042.5074	1.9482	1.2890	25,453.5634
2025	7.1291	27.5144	74.6496	0.2401	20.8252	0.7408	21.5660	5.5730	0.6960	6.2690	0.0000	24,386.1873	24,386.1873	1.0424	1.2466	24,783.7335
2026	6.8013	27.1177	71.2575	0.2343	20.8252	0.7362	21.5613	5.5730	0.6918	6.2647	0.0000	23,789.8758	23,789.8758	1.0156	1.2083	24,175.3392
2027	6.5023	26.7647	68.3514	0.2288	20.8251	0.7311	21.5562	5.5730	0.6870	6.2600	0.0000	23,239.3150	23,239.3150	0.9925	1.1727	23,613.5786
2028	6.2345	26.4739	65.9313	0.2240	20.8251	0.7259	21.5510	5.5730	0.6822	6.2552	0.0000	22,744.0121	22,744.0121	0.9733	1.1404	23,108.1934
2029	5.9797	26.2192	63.8262	0.2196	20.8251	0.7209	21.5460	5.5730	0.6777	6.2506	0.0000	22,299.6284	22,299.6284	0.9567	1.1115	22,654.7559
2030	5.6934	21.0589	62.0972	0.2201	20.8251	0.3105	21.1356	5.5730	0.3019	5.8748	0.0000	22,278.1054	22,278.1054	0.4070	1.0854	22,611.7199
2031	5.4659	20.9320	60.9704	0.2169	20.8250	0.3041	21.1292	5.5730	0.2959	5.8688	0.0000	21,945.3750	21,945.3750	0.3957	1.0618	22,271.6810
2032	5.2594	20.7611	59.5969	0.2138	20.8250	0.3003	21.1254	5.5729	0.2924	5.8653	0.0000	21,633.3182	21,633.3182	0.3846	1.0418	21,953.3942
2033	5.0747	20.6160	58.4187	0.2111	20.8250	0.2969	21.1219	5.5729	0.2892	5.8622	0.0000	21,358.7028	21,358.7028	0.3750	1.0246	21,673.4083
2034	4.9069	20.4852	57.3586	0.2087	20.8250	0.2937	21.1187	5.5729	0.2862	5.8592	0.0000	21,115.1198	21,115.1198	0.3664	1.0094	21,425.0786
2035	4.6581	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2036	4.6581	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2037	4.6581	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2038	45.8377	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2039	45.8377	1.3071	9.3532	0.0288	3.7222	0.0216	3.7438	0.9871	0.0209	1.0081	0.0000	2,881.9985	2,881.9985	0.0427	0.0471	2,897.0924
Maximum	45.8377	34.6261	78.7800	0.2466	20.8252	1.4261	21.6620	10.1595	1.3120	11.3256	0.0000	25,042.5074	25,042.5074	1.9492	1.2890	25,453.5634

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2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

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Year	lb/day										lb/day					
2023	3.3970	34.6261	28.8098	0.0644	7.8802	1.4261	9.1478	3.9970	1.3120	5.1631	0.0000	6,247.2800	6,247.2800	1.9492	0.0300	6,299.0401
2024	7.6176	32.4825	78.7800	0.2466	20.8252	1.3370	21.6620	5.5730	1.2300	6.3591	0.0000	25,042.5074	25,042.5074	1.9482	1.2890	25,453.5634
2025	7.1291	27.5144	74.6496	0.2401	20.8252	0.7408	21.5660	5.5730	0.6960	6.2690	0.0000	24,386.1873	24,386.1873	1.0424	1.2466	24,783.7335
2026	6.8013	27.1177	71.2575	0.2343	20.8252	0.7362	21.5613	5.5730	0.6918	6.2647	0.0000	23,789.8758	23,789.8758	1.0156	1.2083	24,175.3392
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2029	5.9797	26.2192	63.8262	0.2196	20.8251	0.7209	21.5460	5.5730	0.6777	6.2506	0.0000	22,299.6284	22,299.6284	0.9567	1.1115	22,654.7559
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2034	4.9069	20.4852	57.3586	0.2087	20.8250	0.2937	21.1187	5.5729	0.2862	5.8592	0.0000	21,115.1198	21,115.1198	0.3664	1.0094	21,425.0786
2035	4.6581	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2036	4.6581	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2037	4.6581	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2038	45.8377	19.5353	56.4136	0.2066	20.8250	0.2295	21.0545	5.5729	0.2222	5.7951	0.0000	20,901.4976	20,901.4976	0.3500	0.9964	21,207.1609
2039	45.8377	1.3071	9.3532	0.0288	3.7222	0.0216	3.7438	0.9871	0.0209	1.0081	0.0000	2,881.9985	2,881.9985	0.0427	0.0471	2,897.0924
Maximum	45.8377	34.6261	78.7800	0.2466	20.8252	1.4261	21.6620	5.5730	1.3120	6.3591	0.0000	25,042.5074	25,042.5074	1.9492	1.2890	25,453.5634

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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	3.57	0.00	3.48	6.50	0.00	6.01	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	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7
Energy	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.632 1	9,563.632 1	0.1833	0.1753	9,620.463 9
Mobile	29.2606	31.9012	304.2286	0.7465	103.1641	0.3925	103.5566	27.4930	0.3688	27.8617		76,075.96 95	76,075.96 95	3.3824	3.2771	77,137.10 90
Total	73.2104	45.3237	453.7150	0.8292	103.1641	2.1476	105.3117	27.4930	2.1239	29.6169	0.0000	91,343.26 27	91,343.26 27	3.9188	3.5522	92,499.79 36

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	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7
Energy	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.632 1	9,563.632 1	0.1833	0.1753	9,620.463 9
Mobile	29.2606	31.9012	304.2286	0.7465	103.1641	0.3925	103.5566	27.4930	0.3688	27.8617		76,075.96 95	76,075.96 95	3.3824	3.2771	77,137.10 90
Total	73.2104	45.3237	453.7150	0.8292	103.1641	2.1476	105.3117	27.4930	2.1239	29.6169	0.0000	91,343.26 27	91,343.26 27	3.9188	3.5522	92,499.79 36

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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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	5/19/2023	5	100	
2	Site Preparation	Site Preparation	5/20/2023	8/11/2023	5	60	
3	Grading	Grading	8/12/2023	3/15/2024	5	155	
4	Building Construction	Building Construction	3/16/2024	4/17/2038	5	3675	
5	Paving	Paving	4/18/2038	9/17/2038	5	110	
6	Architectural Coating	Architectural Coating	9/18/2038	9/2/2039	5	250	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 21.82

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

OffRoad Equipment

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

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

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

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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 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4952	0.0000	0.4952	0.0750	0.0000	0.0750			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.4952	0.9975	1.4927	0.0750	0.9280	1.0030		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9700e-003	0.2267	0.0623	1.2500e-003	0.0397	2.7400e-003	0.0425	0.0109	2.6200e-003	0.0135		133.2026	133.2026	1.8900e-003	0.0210	139.5047
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0620	0.3259	0.6381	3.0700e-003	0.2202	4.0900e-003	0.2243	0.0591	3.8800e-003	0.0629		319.3179	319.3179	5.7200e-003	0.0300	328.3959

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3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1931	0.0000	0.1931	0.0292	0.0000	0.0292			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.1931	0.9975	1.1907	0.0292	0.9280	0.9572	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9700e-003	0.2267	0.0623	1.2500e-003	0.0397	2.7400e-003	0.0425	0.0109	2.6200e-003	0.0135		133.2026	133.2026	1.8900e-003	0.0210	139.5047
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0620	0.3259	0.6381	3.0700e-003	0.2202	4.0900e-003	0.2243	0.0591	3.8800e-003	0.0629		319.3179	319.3179	5.7200e-003	0.0300	328.3959

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0680	0.1060	0.6855	2.1200e-003	0.2140	1.5100e-003	0.2155	0.0571	1.4100e-003	0.0585		215.9275	215.9275	4.5200e-003	9.7000e-003	218.9304

Calimesa RIPAOZ - Riverside-South Coast County, Summer

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

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0680	0.1060	0.6855	2.1200e-003	0.2140	1.5100e-003	0.2155	0.0571	1.4100e-003	0.0585		215.9275	215.9275	4.5200e-003	9.7000e-003	218.9304

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0730	0.0451	0.7317	1.9700e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0753	0.1105	0.7586	2.3200e-003	0.2364	1.6200e-003	0.2380	0.0630	1.5000e-003	0.0645		235.8023	235.8023	4.9700e-003	0.0102	238.9565

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.5894	1.4245	5.0139	1.4250	1.3105	2.7355	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0730	0.0451	0.7317	1.9700e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0753	0.1105	0.7586	2.3200e-003	0.2364	1.6200e-003	0.2380	0.0630	1.5000e-003	0.0645		235.8023	235.8023	4.9700e-003	0.0102	238.9565

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2036	1.3354	10.5390	3.6538	1.2286	4.8823		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2200e-003	0.0654	0.0266	3.4000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		36.4831	36.4831	3.9000e-004	5.3800e-003	38.0970
Worker	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0703	0.1055	0.7106	2.2400e-003	0.2364	1.5700e-003	0.2379	0.0630	1.4600e-003	0.0644		228.9045	228.9045	4.5500e-003	9.7400e-003	231.9215

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.5894	1.3354	4.9248	1.4250	1.2286	2.6535	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2200e-003	0.0654	0.0266	3.4000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		36.4831	36.4831	3.9000e-004	5.3800e-003	38.0970
Worker	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0703	0.1055	0.7106	2.2400e-003	0.2364	1.5700e-003	0.2379	0.0630	1.4600e-003	0.0644		228.9045	228.9045	4.5500e-003	9.7400e-003	231.9215

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3817	11.2396	4.5745	0.0592	2.2033	0.0972	2.3005	0.6344	0.0930	0.7274		6,275.0959	6,275.0959	0.0673	0.9259	6,552.6884
Worker	5.6689	3.3479	56.9785	0.1586	18.6220	0.0831	18.7050	4.9386	0.0765	5.0151		16,028.6991	16,028.6991	0.3466	0.3631	16,145.5741
Total	6.0506	14.5875	61.5530	0.2177	20.8252	0.1803	21.0055	5.5730	0.1695	5.7425		22,303.7950	22,303.7950	0.4139	1.2890	22,698.2625

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3817	11.2396	4.5745	0.0592	2.2033	0.0972	2.3005	0.6344	0.0930	0.7274		6,275.0959	6,275.0959	0.0673	0.9259	6,552.6884
Worker	5.6689	3.3479	56.9785	0.1586	18.6220	0.0831	18.7050	4.9386	0.0765	5.0151		16,028.6991	16,028.6991	0.3466	0.3631	16,145.5741
Total	6.0506	14.5875	61.5530	0.2177	20.8252	0.1803	21.0055	5.5730	0.1695	5.7425		22,303.7950	22,303.7950	0.4139	1.2890	22,698.2625

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 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	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3766	11.1472	4.5228	0.0581	2.2032	0.0973	2.3005	0.6344	0.0931	0.7275		6,164.4833	6,164.4833	0.0698	0.9077	6,436.7329
Worker	5.2964	3.0009	52.9890	0.1532	18.6220	0.0788	18.7008	4.9386	0.0726	5.0112		15,482.1055	15,482.1055	0.3125	0.3389	15,590.8976
Total	5.6731	14.1480	57.5118	0.2113	20.8252	0.1761	21.0013	5.5730	0.1656	5.7386		21,646.5887	21,646.5887	0.3823	1.2466	22,027.6305

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3766	11.1472	4.5228	0.0581	2.2032	0.0973	2.3005	0.6344	0.0931	0.7275		6,164.4833	6,164.4833	0.0698	0.9077	6,436.7329
Worker	5.2964	3.0009	52.9890	0.1532	18.6220	0.0788	18.7008	4.9386	0.0726	5.0112		15,482.1055	15,482.1055	0.3125	0.3389	15,590.8976
Total	5.6731	14.1480	57.5118	0.2113	20.8252	0.1761	21.0013	5.5730	0.1656	5.7386		21,646.5887	21,646.5887	0.3823	1.2466	22,027.6305

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 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	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3721	11.0355	4.4795	0.0570	2.2032	0.0969	2.3001	0.6344	0.0927	0.7270		6,052.3267	6,052.3267	0.0722	0.8895	6,319.2019
Worker	4.9731	2.7158	49.6402	0.1484	18.6220	0.0746	18.6966	4.9386	0.0687	5.0073		14,997.9505	14,997.9505	0.2832	0.3188	15,100.0344
Total	5.3452	13.7514	54.1197	0.2054	20.8252	0.1715	20.9967	5.5730	0.1614	5.7343		21,050.2772	21,050.2772	0.3554	1.2083	21,419.2363

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3721	11.0355	4.4795	0.0570	2.2032	0.0969	2.3001	0.6344	0.0927	0.7270		6,052.3267	6,052.3267	0.0722	0.8895	6,319.2019
Worker	4.9731	2.7158	49.6402	0.1484	18.6220	0.0746	18.6966	4.9386	0.0687	5.0073		14,997.9505	14,997.9505	0.2832	0.3188	15,100.0344
Total	5.3452	13.7514	54.1197	0.2054	20.8252	0.1715	20.9967	5.5730	0.1614	5.7343		21,050.2772	21,050.2772	0.3554	1.2083	21,419.2363

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 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	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3682	10.9234	4.4442	0.0559	2.2032	0.0964	2.2995	0.6344	0.0922	0.7265		5,934.3420	5,934.3420	0.0744	0.8707	6,195.6677
Worker	4.6780	2.4750	46.7694	0.1441	18.6220	0.0700	18.6920	4.9386	0.0644	5.0031		14,565.3744	14,565.3744	0.2579	0.3020	14,661.8080
Total	5.0463	13.3984	51.2136	0.2000	20.8251	0.1664	20.9915	5.5730	0.1566	5.7296		20,499.7164	20,499.7164	0.3323	1.1727	20,857.4757

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3682	10.9234	4.4442	0.0559	2.2032	0.0964	2.2995	0.6344	0.0922	0.7265		5,934.3420	5,934.3420	0.0744	0.8707	6,195.6677
Worker	4.6780	2.4750	46.7694	0.1441	18.6220	0.0700	18.6920	4.9386	0.0644	5.0031		14,565.3744	14,565.3744	0.2579	0.3020	14,661.8080
Total	5.0463	13.3984	51.2136	0.2000	20.8251	0.1664	20.9915	5.5730	0.1566	5.7296		20,499.7164	20,499.7164	0.3323	1.1727	20,857.4757

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3654	10.8341	4.4196	0.0548	2.2031	0.0959	2.2991	0.6343	0.0918	0.7261		5,821.0698	5,821.0698	0.0768	0.8525	6,077.0326
Worker	4.4131	2.2735	44.3740	0.1403	18.6220	0.0653	18.6872	4.9386	0.0601	4.9987		14,183.3437	14,183.3437	0.2364	0.2879	14,275.0579
Total	4.7785	13.1075	48.7935	0.1951	20.8251	0.1612	20.9863	5.5730	0.1518	5.7248		20,004.4135	20,004.4135	0.3131	1.1404	20,352.0904

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3654	10.8341	4.4196	0.0548	2.2031	0.0959	2.2991	0.6343	0.0918	0.7261		5,821.0698	5,821.0698	0.0768	0.8525	6,077.0326
Worker	4.4131	2.2735	44.3740	0.1403	18.6220	0.0653	18.6872	4.9386	0.0601	4.9987		14,183.3437	14,183.3437	0.2364	0.2879	14,275.0579
Total	4.7785	13.1075	48.7935	0.1951	20.8251	0.1612	20.9863	5.5730	0.1518	5.7248		20,004.4135	20,004.4135	0.3131	1.1404	20,352.0904

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3630	10.7526	4.4001	0.0538	2.2031	0.0954	2.2986	0.6343	0.0913	0.7256		5,714.4414	5,714.4414	0.0790	0.8354	5,965.3682
Worker	4.1606	2.1003	42.2883	0.1370	18.6220	0.0608	18.6828	4.9386	0.0560	4.9946		13,845.5885	13,845.5885	0.2175	0.2760	13,933.2848
Total	4.5236	12.8529	46.6884	0.1908	20.8251	0.1563	20.9813	5.5730	0.1473	5.7202		19,560.0298	19,560.0298	0.2965	1.1115	19,898.6530

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3630	10.7526	4.4001	0.0538	2.2031	0.0954	2.2986	0.6343	0.0913	0.7256		5,714.4414	5,714.4414	0.0790	0.8354	5,965.3682
Worker	4.1606	2.1003	42.2883	0.1370	18.6220	0.0608	18.6828	4.9386	0.0560	4.9946		13,845.5885	13,845.5885	0.2175	0.2760	13,933.2848
Total	4.5236	12.8529	46.6884	0.1908	20.8251	0.1563	20.9813	5.5730	0.1473	5.7202		19,560.0298	19,560.0298	0.2965	1.1115	19,898.6530

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3612	10.6762	4.3859	0.0528	2.2031	0.0950	2.2981	0.6343	0.0908	0.7252		5,614.1315	5,614.1315	0.0812	0.8194	5,860.3336
Worker	3.9254	1.9521	40.5054	0.1340	18.6220	0.0568	18.6787	4.9386	0.0522	4.9909		13,547.5983	13,547.5983	0.2009	0.2660	13,631.8883
Total	4.2866	12.6284	44.8913	0.1869	20.8251	0.1517	20.9768	5.5730	0.1431	5.7160		19,161.7298	19,161.7298	0.2821	1.0854	19,492.2219

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3612	10.6762	4.3859	0.0528	2.2031	0.0950	2.2981	0.6343	0.0908	0.7252		5,614.1315	5,614.1315	0.0812	0.8194	5,860.3336
Worker	3.9254	1.9521	40.5054	0.1340	18.6220	0.0568	18.6787	4.9386	0.0522	4.9909		13,547.5983	13,547.5983	0.2009	0.2660	13,631.8883
Total	4.2866	12.6284	44.8913	0.1869	20.8251	0.1517	20.9768	5.5730	0.1431	5.7160		19,161.7298	19,161.7298	0.2821	1.0854	19,492.2219

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3596	10.6782	4.3903	0.0519	2.2031	0.0915	2.2946	0.6343	0.0876	0.7219		5,517.6675	5,517.6675	0.0832	0.8041	5,759.3652
Worker	3.6995	1.8232	39.3742	0.1317	18.6220	0.0538	18.6757	4.9386	0.0495	4.9881		13,311.3319	13,311.3319	0.1875	0.2577	13,392.8178
Total	4.0591	12.5014	43.7645	0.1836	20.8250	0.1453	20.9704	5.5730	0.1371	5.7100		18,828.9993	18,828.9993	0.2708	1.0618	19,152.1830

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3596	10.6782	4.3903	0.0519	2.2031	0.0915	2.2946	0.6343	0.0876	0.7219		5,517.6675	5,517.6675	0.0832	0.8041	5,759.3652
Worker	3.6995	1.8232	39.3742	0.1317	18.6220	0.0538	18.6757	4.9386	0.0495	4.9881		13,311.3319	13,311.3319	0.1875	0.2577	13,392.8178
Total	4.0591	12.5014	43.7645	0.1836	20.8250	0.1453	20.9704	5.5730	0.1371	5.7100		18,828.9993	18,828.9993	0.2708	1.0618	19,152.1830

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3594	10.6176	4.3934	0.0511	2.2031	0.0912	2.2942	0.6343	0.0872	0.7215		5,437.4010	5,437.4010	0.0851	0.7914	5,675.3506
Worker	3.4932	1.7129	37.9976	0.1294	18.6220	0.0504	18.6723	4.9386	0.0463	4.9850		13,079.5415	13,079.5415	0.1746	0.2505	13,158.5456
Total	3.8526	12.3306	42.3911	0.1805	20.8250	0.1415	20.9666	5.5729	0.1336	5.7065		18,516.9425	18,516.9425	0.2597	1.0418	18,833.8963

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3594	10.6176	4.3934	0.0511	2.2031	0.0912	2.2942	0.6343	0.0872	0.7215		5,437.4010	5,437.4010	0.0851	0.7914	5,675.3506
Worker	3.4932	1.7129	37.9976	0.1294	18.6220	0.0504	18.6723	4.9386	0.0463	4.9850		13,079.5415	13,079.5415	0.1746	0.2505	13,158.5456
Total	3.8526	12.3306	42.3911	0.1805	20.8250	0.1415	20.9666	5.5729	0.1336	5.7065		18,516.9425	18,516.9425	0.2597	1.0418	18,833.8963

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3598	10.5641	4.4024	0.0505	2.2031	0.0908	2.2939	0.6343	0.0869	0.7212		5,366.3355	5,366.3355	0.0869	0.7801	5,600.9822
Worker	3.3081	1.6213	36.8104	0.1274	18.6220	0.0473	18.6692	4.9386	0.0435	4.9821		12,875.9917	12,875.9917	0.1632	0.2445	12,952.9281
Total	3.6679	12.1854	41.2129	0.1778	20.8250	0.1381	20.9631	5.5729	0.1304	5.7033		18,242.3272	18,242.3272	0.2501	1.0246	18,553.9103

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3598	10.5641	4.4024	0.0505	2.2031	0.0908	2.2939	0.6343	0.0869	0.7212		5,366.3355	5,366.3355	0.0869	0.7801	5,600.9822
Worker	3.3081	1.6213	36.8104	0.1274	18.6220	0.0473	18.6692	4.9386	0.0435	4.9821		12,875.9917	12,875.9917	0.1632	0.2445	12,952.9281
Total	3.6679	12.1854	41.2129	0.1778	20.8250	0.1381	20.9631	5.5729	0.1304	5.7033		18,242.3272	18,242.3272	0.2501	1.0246	18,553.9103

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3604	10.5101	4.4128	0.0498	2.2030	0.0904	2.2935	0.6343	0.0865	0.7208		5,301.6419	5,301.6419	0.0885	0.7699	5,533.2928
Worker	3.1398	1.5445	35.7400	0.1256	18.6220	0.0445	18.6664	4.9386	0.0409	4.9795		12,697.1023	12,697.1023	0.1530	0.2395	12,772.2879
Total	3.5002	12.0546	40.1528	0.1754	20.8250	0.1349	20.9599	5.5729	0.1274	5.7003		17,998.7442	17,998.7442	0.2415	1.0094	18,305.5806

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3604	10.5101	4.4128	0.0498	2.2030	0.0904	2.2935	0.6343	0.0865	0.7208		5,301.6419	5,301.6419	0.0885	0.7699	5,533.2928
Worker	3.1398	1.5445	35.7400	0.1256	18.6220	0.0445	18.6664	4.9386	0.0409	4.9795		12,697.1023	12,697.1023	0.1530	0.2395	12,772.2879
Total	3.5002	12.0546	40.1528	0.1754	20.8250	0.1349	20.9599	5.5729	0.1274	5.7003		17,998.7442	17,998.7442	0.2415	1.0094	18,305.5806

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3610	10.4600	4.4229	0.0493	2.2030	0.0900	2.2930	0.6343	0.0861	0.7204		5,243.9222	5,243.9222	0.0898	0.7609	5,472.9039
Worker	2.9891	1.4846	34.8251	0.1241	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		12,541.1998	12,541.1998	0.1442	0.2355	12,614.9804
Total	3.3501	11.9446	39.2480	0.1734	20.8250	0.1320	20.9569	5.5729	0.1247	5.6976		17,785.1220	17,785.1220	0.2340	0.9964	18,087.8844

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6602	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-003	0.0608	0.0257	2.9000e-004	0.0128	5.2000e-004	0.0133	3.6900e-003	5.0000e-004	4.1900e-003		30.4879	30.4879	5.2000e-004	4.4200e-003	31.8192
Worker	0.0269	0.0134	0.3136	1.1200e-003	0.1677	3.8000e-004	0.1680	0.0445	3.5000e-004	0.0448		112.9160	112.9160	1.3000e-003	2.1200e-003	113.5803
Total	0.0290	0.0742	0.3393	1.4100e-003	0.1805	9.0000e-004	0.1814	0.0482	8.5000e-004	0.0490		143.4039	143.4039	1.8200e-003	6.5400e-003	145.3995

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.6 Paving - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6602	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-003	0.0608	0.0257	2.9000e-004	0.0128	5.2000e-004	0.0133	3.6900e-003	5.0000e-004	4.1900e-003		30.4879	30.4879	5.2000e-004	4.4200e-003	31.8192
Worker	0.0269	0.0134	0.3136	1.1200e-003	0.1677	3.8000e-004	0.1680	0.0445	3.5000e-004	0.0448		112.9160	112.9160	1.3000e-003	2.1200e-003	113.5803
Total	0.0290	0.0742	0.3393	1.4100e-003	0.1805	9.0000e-004	0.1814	0.0482	8.5000e-004	0.0490		143.4039	143.4039	1.8200e-003	6.5400e-003	145.3995

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.7 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817
Total	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817

Calimesa RIPAOZ - Riverside-South Coast County, Summer

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

3.7 Architectural Coating - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817
Total	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.7 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817
Total	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

3.7 Architectural Coating - 2039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817
Total	0.5975	0.2968	6.9608	0.0248	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,506.7344	2,506.7344	0.0288	0.0471	2,521.4817

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	29.2606	31.9012	304.2286	0.7465	103.1641	0.3925	103.5566	27.4930	0.3688	27.8617		76,075.96 95	76,075.96 95	3.3824	3.2771	77,137.10 90
Unmitigated	29.2606	31.9012	304.2286	0.7465	103.1641	0.3925	103.5566	27.4930	0.3688	27.8617		76,075.96 95	76,075.96 95	3.3824	3.2771	77,137.10 90

4.2 Trip Summary Information

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

4.3 Trip Type Information

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

Calimesa RIPA0Z - 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	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938
Condo/Townhouse	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938
Other Asphalt Surfaces	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938

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	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4639
NaturalGas Unmitigated	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4639

Calimesa RIPA0Z - 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 - 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					
Apartments Low Rise	51635.3	0.5569	4.7586	2.0249	0.0304		0.3847	0.3847		0.3847	0.3847		6,074.7410	6,074.7410	0.1164	0.1114	6,110.8401
Condo/Townhouse	29655.6	0.3198	2.7330	1.1630	0.0174		0.2210	0.2210		0.2210	0.2210		3,488.8911	3,488.8911	0.0669	0.0640	3,509.6238
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
Total		0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4640

Calimesa RIPA0Z - 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

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	51.6353	0.5569	4.7586	2.0249	0.0304		0.3847	0.3847		0.3847	0.3847		6,074.7410	6,074.7410	0.1164	0.1114	6,110.8401
Condo/Townhouse	29.6556	0.3198	2.7330	1.1630	0.0174		0.2210	0.2210		0.2210	0.2210		3,488.8911	3,488.8911	0.0669	0.0640	3,509.6238
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
Total		0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4640

6.0 Area Detail

6.1 Mitigation Measures Area

Calimesa RIPA0Z - 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
Category	lb/day										lb/day					
Mitigated	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.6612	5,703.6612	0.3530	0.0998	5,742.2207
Unmitigated	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.6612	5,703.6612	0.3530	0.0998	5,742.2207

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.1648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4989	4.2632	1.8141	0.0272		0.3447	0.3447		0.3447	0.3447	0.0000	5,442.3529	5,442.3529	0.1043	0.0998	5,474.6941
Landscaping	4.3216	1.6677	144.4844	7.6600e-003		0.8048	0.8048		0.8048	0.8048		261.3083	261.3083	0.2487		267.5265
Total	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.6612	5,703.6612	0.3530	0.0998	5,742.2207

Calimesa RIPA0Z - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.1648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4989	4.2632	1.8141	0.0272		0.3447	0.3447		0.3447	0.3447	0.0000	5,442.3529	5,442.3529	0.1043	0.0998	5,474.6941
Landscaping	4.3216	1.6677	144.4844	7.6600e-003		0.8048	0.8048		0.8048	0.8048		261.3083	261.3083	0.2487		267.5265
Total	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.6612	5,703.6612	0.3530	0.0998	5,742.2207

7.0 Water Detail

7.1 Mitigation Measures Water

Calimesa RIPA0Z - 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

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

Calimesa RIPAOZ
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

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

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

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

Construction Phase - see table

Off-road Equipment - 8 hr day

Off-road Equipment - 8 hr day

Off-road Equipment -

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

Demolition - assumed 50,000 SF of demolition

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

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

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

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

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

Calimesa RIPA0Z - Riverside-South Coast County, Winter

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

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

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Calimesa RIPAOZ - 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					
2023	3.3923	34.6317	28.6732	0.0642	19.8710	1.4261	21.1386	10.1595	1.3120	11.3256	0.0000	6,228.7086	6,228.7086	1.9492	0.0301	6,280.5063
2024	7.2497	32.4880	68.2464	0.2319	20.8252	1.3370	21.6623	5.5730	1.2300	6.3594	0.0000	23,555.7875	23,555.7875	1.9482	1.3005	23,970.2195
2025	6.7976	28.3006	64.9194	0.2259	20.8252	0.7411	21.5663	5.5730	0.6964	6.2694	0.0000	22,954.2406	22,954.2406	1.0416	1.2574	23,354.9772
2026	6.5027	27.8865	62.1904	0.2205	20.8252	0.7365	21.5616	5.5730	0.6921	6.2650	0.0000	22,405.8109	22,405.8109	1.0154	1.2185	22,794.3053
2027	6.2319	27.5181	59.8485	0.2156	20.8251	0.7314	21.5565	5.5730	0.6873	6.2603	0.0000	21,897.4656	21,897.4656	0.9928	1.1823	22,274.6233
2028	5.9876	27.2146	57.8947	0.2111	20.8251	0.7262	21.5513	5.5730	0.6825	6.2555	0.0000	21,438.9980	21,438.9980	0.9739	1.1497	21,805.9540
2029	5.7547	26.9490	56.1916	0.2070	20.8251	0.7212	21.5463	5.5730	0.6779	6.2509	0.0000	21,026.7754	21,026.7754	0.9576	1.1203	21,384.5744
2030	5.4881	21.7789	54.8039	0.2078	20.8251	0.3108	21.1359	5.5730	0.3021	5.8751	0.0000	21,033.3237	21,033.3237	0.4082	1.0939	21,369.5186
2031	5.2779	21.6491	53.8463	0.2047	20.8250	0.3044	21.1294	5.5730	0.2961	5.8691	0.0000	20,720.2790	20,720.2790	0.3966	1.0701	21,049.0758
2032	5.0882	21.4716	52.7355	0.2019	20.8250	0.3006	21.1256	5.5729	0.2926	5.8656	0.0000	20,429.7922	20,429.7922	0.3857	1.0499	20,752.2939
2033	4.9186	21.3212	51.7831	0.1994	20.8250	0.2972	21.1222	5.5729	0.2895	5.8624	0.0000	20,174.0733	20,174.0733	0.3762	1.0325	20,491.1514
2034	4.7668	21.1860	50.9284	0.1972	20.8250	0.2940	21.1189	5.5729	0.2865	5.8594	0.0000	19,947.1069	19,947.1069	0.3677	1.0171	20,259.3960
2035	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2036	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2037	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2038	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2039	45.8182	1.3169	8.0710	0.0265	3.7222	0.0216	3.7438	0.9871	0.0209	1.0081	0.0000	2,648.7015	2,648.7015	0.0432	0.0481	2,664.1089
Maximum	45.8182	34.6317	68.2464	0.2319	20.8252	1.4261	21.6623	10.1595	1.3120	11.3256	0.0000	23,555.7875	23,555.7875	1.9492	1.3005	23,970.2195

Calimesa RIPA0Z - 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)

Mitigated Construction

Calimesa RIPAOZ - 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					
2023	3.3923	34.6317	28.6732	0.0642	7.8802	1.4261	9.1478	3.9970	1.3120	5.1631	0.0000	6,228.7086	6,228.7086	1.9492	0.0301	6,280.5063
2024	7.2497	32.4880	68.2464	0.2319	20.8252	1.3370	21.6623	5.5730	1.2300	6.3594	0.0000	23,555.7875	23,555.7875	1.9482	1.3005	23,970.2195
2025	6.7976	28.3006	64.9194	0.2259	20.8252	0.7411	21.5663	5.5730	0.6964	6.2694	0.0000	22,954.2405	22,954.2405	1.0416	1.2574	23,354.9772
2026	6.5027	27.8865	62.1904	0.2205	20.8252	0.7365	21.5616	5.5730	0.6921	6.2650	0.0000	22,405.8109	22,405.8109	1.0154	1.2185	22,794.3053
2027	6.2319	27.5181	59.8485	0.2156	20.8251	0.7314	21.5565	5.5730	0.6873	6.2603	0.0000	21,897.4656	21,897.4656	0.9928	1.1823	22,274.6233
2028	5.9876	27.2146	57.8947	0.2111	20.8251	0.7262	21.5513	5.5730	0.6825	6.2555	0.0000	21,438.9980	21,438.9980	0.9739	1.1497	21,805.9540
2029	5.7547	26.9490	56.1916	0.2070	20.8251	0.7212	21.5463	5.5730	0.6779	6.2509	0.0000	21,026.7754	21,026.7754	0.9576	1.1203	21,384.5743
2030	5.4881	21.7789	54.8039	0.2078	20.8251	0.3108	21.1359	5.5730	0.3021	5.8751	0.0000	21,033.3237	21,033.3237	0.4082	1.0939	21,369.5186
2031	5.2779	21.6491	53.8463	0.2047	20.8250	0.3044	21.1294	5.5730	0.2961	5.8691	0.0000	20,720.2790	20,720.2790	0.3966	1.0701	21,049.0758
2032	5.0882	21.4716	52.7355	0.2019	20.8250	0.3006	21.1256	5.5729	0.2926	5.8656	0.0000	20,429.7922	20,429.7922	0.3857	1.0499	20,752.2939
2033	4.9186	21.3212	51.7831	0.1994	20.8250	0.2972	21.1222	5.5729	0.2895	5.8624	0.0000	20,174.0733	20,174.0733	0.3762	1.0325	20,491.1514
2034	4.7668	21.1860	50.9284	0.1972	20.8250	0.2940	21.1189	5.5729	0.2865	5.8594	0.0000	19,947.1069	19,947.1069	0.3677	1.0171	20,259.3960
2035	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2036	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2037	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2038	4.5324	20.2326	50.1584	0.1952	20.8250	0.2297	21.0547	5.5729	0.2225	5.7954	0.0000	19,747.9759	19,747.9759	0.3514	1.0039	20,055.9366
2039	45.8182	1.3169	8.0710	0.0265	3.7222	0.0216	3.7438	0.9871	0.0209	1.0081	0.0000	2,648.7015	2,648.7015	0.0432	0.0481	2,664.1089
Maximum	45.8182	34.6317	68.2464	0.2319	20.8252	1.4261	21.6623	5.5730	1.3120	6.3594	0.0000	23,555.7875	23,555.7875	1.9492	1.3005	23,970.2195

Calimesa RIPAOZ - 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	3.57	0.00	3.48	6.50	0.00	6.01	0.00	0.00	0.00	0.00	0.00	0.00

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7
Energy	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.632 1	9,563.632 1	0.1833	0.1753	9,620.463 9
Mobile	24.9345	34.1654	271.3250	0.6923	103.1641	0.3928	103.5569	27.4930	0.3691	27.8621		70,580.53 42	70,580.53 42	3.4387	3.3503	71,664.89 56
Total	68.8843	47.5878	420.8114	0.7750	103.1641	2.1480	105.3121	27.4930	2.1242	29.6172	0.0000	85,847.82 75	85,847.82 75	3.9751	3.6254	87,027.58 02

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	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7
Energy	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.632 1	9,563.632 1	0.1833	0.1753	9,620.463 9
Mobile	24.9345	34.1654	271.3250	0.6923	103.1641	0.3928	103.5569	27.4930	0.3691	27.8621		70,580.53 42	70,580.53 42	3.4387	3.3503	71,664.89 56
Total	68.8843	47.5878	420.8114	0.7750	103.1641	2.1480	105.3121	27.4930	2.1242	29.6172	0.0000	85,847.82 75	85,847.82 75	3.9751	3.6254	87,027.58 02

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	5/19/2023	5	100	
2	Site Preparation	Site Preparation	5/20/2023	8/11/2023	5	60	
3	Grading	Grading	8/12/2023	3/15/2024	5	155	
4	Building Construction	Building Construction	3/16/2024	4/17/2038	5	3675	
5	Paving	Paving	4/18/2038	9/17/2038	5	110	
6	Architectural Coating	Architectural Coating	9/18/2038	9/2/2039	5	250	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 21.82

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

OffRoad Equipment

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

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

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

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4952	0.0000	0.4952	0.0750	0.0000	0.0750			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.4952	0.9975	1.4927	0.0750	0.9280	1.0030		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5700e-003	0.2402	0.0637	1.2500e-003	0.0397	2.7400e-003	0.0425	0.0109	2.6200e-003	0.0135		133.4109	133.4109	1.8700e-003	0.0210	139.7223
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0580	0.3446	0.5371	2.9400e-003	0.2202	4.0900e-003	0.2243	0.0591	3.8900e-003	0.0629		305.6206	305.6206	5.6700e-003	0.0301	314.7375

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1931	0.0000	0.1931	0.0292	0.0000	0.0292			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.1931	0.9975	1.1907	0.0292	0.9280	0.9572	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5700e-003	0.2402	0.0637	1.2500e-003	0.0397	2.7400e-003	0.0425	0.0109	2.6200e-003	0.0135		133.4109	133.4109	1.8700e-003	0.0210	139.7223
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0580	0.3446	0.5371	2.9400e-003	0.2202	4.0900e-003	0.2243	0.0591	3.8900e-003	0.0629		305.6206	305.6206	5.6700e-003	0.0301	314.7375

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0637	0.1114	0.5626	1.9500e-003	0.2140	1.5100e-003	0.2155	0.0571	1.4200e-003	0.0585		199.2224	199.2224	4.4900e-003	9.8100e-003	202.2597

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0637	0.1114	0.5626	1.9500e-003	0.2140	1.5100e-003	0.2155	0.0571	1.4200e-003	0.0585		199.2224	199.2224	4.4900e-003	9.8100e-003	202.2597

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0684	0.0468	0.5942	1.7800e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0705	0.1161	0.6220	2.1300e-003	0.2364	1.6200e-003	0.2380	0.0630	1.5100e-003	0.0645		217.2309	217.2309	4.9500e-003	0.0103	220.4227

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.5894	1.4245	5.0139	1.4250	1.3105	2.7355	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0684	0.0468	0.5942	1.7800e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0705	0.1161	0.6220	2.1300e-003	0.2364	1.6200e-003	0.2380	0.0630	1.5100e-003	0.0645		217.2309	217.2309	4.9500e-003	0.0103	220.4227

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2036	1.3354	10.5390	3.6538	1.2286	4.8823		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0500e-003	0.0693	0.0275	3.4000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		36.5743	36.5743	3.8000e-004	5.4000e-003	38.1933
Worker	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0660	0.1110	0.5832	2.0700e-003	0.2364	1.5700e-003	0.2379	0.0630	1.4600e-003	0.0644		210.9596	210.9596	4.5400e-003	9.8600e-003	214.0117

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.5894	1.3354	4.9248	1.4250	1.2286	2.6535	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0500e-003	0.0693	0.0275	3.4000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		36.5743	36.5743	3.8000e-004	5.4000e-003	38.1933
Worker	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0660	0.1110	0.5832	2.0700e-003	0.2364	1.5700e-003	0.2379	0.0630	1.4600e-003	0.0644		210.9596	210.9596	4.5400e-003	9.8600e-003	214.0117

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3531	11.9205	4.7299	0.0593	2.2033	0.0976	2.3008	0.6344	0.0933	0.7277		6,290.7781	6,290.7781	0.0660	0.9289	6,569.2514
Worker	5.3296	3.4722	46.2895	0.1437	18.6220	0.0831	18.7050	4.9386	0.0765	5.0151		14,526.2971	14,526.2971	0.3461	0.3715	14,645.6673
Total	5.6826	15.3927	51.0194	0.2030	20.8252	0.1806	21.0059	5.5730	0.1698	5.7428		20,817.0752	20,817.0752	0.4121	1.3005	21,214.9187

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3531	11.9205	4.7299	0.0593	2.2033	0.0976	2.3008	0.6344	0.0933	0.7277		6,290.7781	6,290.7781	0.0660	0.9289	6,569.2514
Worker	5.3296	3.4722	46.2895	0.1437	18.6220	0.0831	18.7050	4.9386	0.0765	5.0151		14,526.2971	14,526.2971	0.3461	0.3715	14,645.6673
Total	5.6826	15.3927	51.0194	0.2030	20.8252	0.1806	21.0059	5.5730	0.1698	5.7428		20,817.0752	20,817.0752	0.4121	1.3005	21,214.9187

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 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	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3482	11.8229	4.6780	0.0582	2.2032	0.0976	2.3009	0.6344	0.0934	0.7278		6,179.9781	6,179.9781	0.0685	0.9107	6,453.0875
Worker	4.9934	3.1113	43.1035	0.1389	18.6220	0.0788	18.7008	4.9386	0.0726	5.0112		14,034.6639	14,034.6639	0.3129	0.3466	14,145.7868
Total	5.3416	14.9343	47.7816	0.1971	20.8252	0.1765	21.0016	5.5730	0.1659	5.7390		20,214.6420	20,214.6420	0.3814	1.2574	20,598.8743

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3482	11.8229	4.6780	0.0582	2.2032	0.0976	2.3009	0.6344	0.0934	0.7278		6,179.9781	6,179.9781	0.0685	0.9107	6,453.0875
Worker	4.9934	3.1113	43.1035	0.1389	18.6220	0.0788	18.7008	4.9386	0.0726	5.0112		14,034.6639	14,034.6639	0.3129	0.3466	14,145.7868
Total	5.3416	14.9343	47.7816	0.1971	20.8252	0.1765	21.0016	5.5730	0.1659	5.7390		20,214.6420	20,214.6420	0.3814	1.2574	20,598.8743

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 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	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3437	11.7052	4.6346	0.0572	2.2032	0.0972	2.3004	0.6344	0.0930	0.7273		6,067.6055	6,067.6055	0.0710	0.8924	6,335.3201
Worker	4.7029	2.8150	40.4180	0.1345	18.6220	0.0746	18.6966	4.9386	0.0687	5.0073		13,598.6068	13,598.6068	0.2843	0.3261	13,702.8822
Total	5.0467	14.5202	45.0526	0.1917	20.8252	0.1718	20.9970	5.5730	0.1617	5.7346		19,666.2123	19,666.2123	0.3552	1.2185	20,038.2023

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3437	11.7052	4.6346	0.0572	2.2032	0.0972	2.3004	0.6344	0.0930	0.7273		6,067.6055	6,067.6055	0.0710	0.8924	6,335.3201
Worker	4.7029	2.8150	40.4180	0.1345	18.6220	0.0746	18.6966	4.9386	0.0687	5.0073		13,598.6068	13,598.6068	0.2843	0.3261	13,702.8822
Total	5.0467	14.5202	45.0526	0.1917	20.8252	0.1718	20.9970	5.5730	0.1617	5.7346		19,666.2123	19,666.2123	0.3552	1.2185	20,038.2023

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 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	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3400	11.5872	4.5992	0.0560	2.2032	0.0967	2.2998	0.6344	0.0925	0.7268		5,949.4024	5,949.4024	0.0731	0.8736	6,211.5484
Worker	4.4359	2.5646	38.1114	0.1307	18.6220	0.0700	18.6920	4.9386	0.0644	5.0031		13,208.4646	13,208.4646	0.2595	0.3088	13,306.9719
Total	4.7758	14.1518	42.7106	0.1867	20.8251	0.1667	20.9918	5.5730	0.1569	5.7299		19,157.8670	19,157.8670	0.3327	1.1823	19,518.5203

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3400	11.5872	4.5992	0.0560	2.2032	0.0967	2.2998	0.6344	0.0925	0.7268		5,949.4024	5,949.4024	0.0731	0.8736	6,211.5484
Worker	4.4359	2.5646	38.1114	0.1307	18.6220	0.0700	18.6920	4.9386	0.0644	5.0031		13,208.4646	13,208.4646	0.2595	0.3088	13,306.9719
Total	4.7758	14.1518	42.7106	0.1867	20.8251	0.1667	20.9918	5.5730	0.1569	5.7299		19,157.8670	19,157.8670	0.3327	1.1823	19,518.5203

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3372	11.4933	4.5747	0.0549	2.2031	0.0962	2.2993	0.6343	0.0920	0.7264		5,835.8941	5,835.8941	0.0755	0.8553	6,092.6594
Worker	4.1944	2.3551	36.1822	0.1273	18.6220	0.0653	18.6872	4.9386	0.0601	4.9987		12,863.5053	12,863.5053	0.2383	0.2944	12,957.1916
Total	4.5315	13.8483	40.7569	0.1822	20.8251	0.1615	20.9866	5.5730	0.1521	5.7251		18,699.3994	18,699.3994	0.3138	1.1497	19,049.8511

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3372	11.4933	4.5747	0.0549	2.2031	0.0962	2.2993	0.6343	0.0920	0.7264		5,835.8941	5,835.8941	0.0755	0.8553	6,092.6594
Worker	4.1944	2.3551	36.1822	0.1273	18.6220	0.0653	18.6872	4.9386	0.0601	4.9987		12,863.5053	12,863.5053	0.2383	0.2944	12,957.1916
Total	4.5315	13.8483	40.7569	0.1822	20.8251	0.1615	20.9866	5.5730	0.1521	5.7251		18,699.3994	18,699.3994	0.3138	1.1497	19,049.8511

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304		2,739.5986	2,739.5986	0.6602		2,756.1030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3349	11.4077	4.5554	0.0539	2.2031	0.0957	2.2988	0.6343	0.0916	0.7259		5,729.0294	5,729.0294	0.0778	0.8382	5,980.7424
Worker	3.9638	2.1749	34.4984	0.1242	18.6220	0.0608	18.6828	4.9386	0.0560	4.9946		12,558.1473	12,558.1473	0.2197	0.2822	12,647.7290
Total	4.2987	13.5827	39.0538	0.1782	20.8251	0.1565	20.9816	5.5730	0.1475	5.7205		18,287.1768	18,287.1768	0.2974	1.1203	18,628.4714

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029
Total	1.4560	13.3663	17.1378	0.0289		0.5647	0.5647		0.5304	0.5304	0.0000	2,739.5986	2,739.5986	0.6602		2,756.1029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3349	11.4077	4.5554	0.0539	2.2031	0.0957	2.2988	0.6343	0.0916	0.7259		5,729.0294	5,729.0294	0.0778	0.8382	5,980.7424
Worker	3.9638	2.1749	34.4984	0.1242	18.6220	0.0608	18.6828	4.9386	0.0560	4.9946		12,558.1473	12,558.1473	0.2197	0.2822	12,647.7290
Total	4.2987	13.5827	39.0538	0.1782	20.8251	0.1565	20.9816	5.5730	0.1475	5.7205		18,287.1768	18,287.1768	0.2974	1.1203	18,628.4714

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3332	11.3276	4.5415	0.0530	2.2031	0.0952	2.2983	0.6343	0.0911	0.7254		5,628.4955	5,628.4955	0.0799	0.8221	5,875.4691
Worker	3.7482	2.0207	33.0566	0.1216	18.6220	0.0568	18.6787	4.9386	0.0522	4.9909		12,288.4526	12,288.4526	0.2033	0.2719	12,374.5516
Total	4.0813	13.3483	37.5981	0.1745	20.8251	0.1520	20.9770	5.5730	0.1433	5.7163		17,916.9481	17,916.9481	0.2833	1.0939	18,250.0206

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3332	11.3276	4.5415	0.0530	2.2031	0.0952	2.2983	0.6343	0.0911	0.7254		5,628.4955	5,628.4955	0.0799	0.8221	5,875.4691
Worker	3.7482	2.0207	33.0566	0.1216	18.6220	0.0568	18.6787	4.9386	0.0522	4.9909		12,288.4526	12,288.4526	0.2033	0.2719	12,374.5516
Total	4.0813	13.3483	37.5981	0.1745	20.8251	0.1520	20.9770	5.5730	0.1433	5.7163		17,916.9481	17,916.9481	0.2833	1.0939	18,250.0206

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3316	11.3325	4.5463	0.0520	2.2031	0.0918	2.2949	0.6343	0.0878	0.7221		5,531.8382	5,531.8382	0.0820	0.8067	5,774.2955
Worker	3.5395	1.8860	32.0942	0.1194	18.6220	0.0538	18.6757	4.9386	0.0495	4.9881		12,072.0652	12,072.0652	0.1898	0.2633	12,155.2823
Total	3.8711	13.2185	36.6405	0.1715	20.8250	0.1456	20.9706	5.5730	0.1373	5.7103		17,603.9034	17,603.9034	0.2717	1.0701	17,929.5778

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3316	11.3325	4.5463	0.0520	2.2031	0.0918	2.2949	0.6343	0.0878	0.7221		5,531.8382	5,531.8382	0.0820	0.8067	5,774.2955
Worker	3.5395	1.8860	32.0942	0.1194	18.6220	0.0538	18.6757	4.9386	0.0495	4.9881		12,072.0652	12,072.0652	0.1898	0.2633	12,155.2823
Total	3.8711	13.2185	36.6405	0.1715	20.8250	0.1456	20.9706	5.5730	0.1373	5.7103		17,603.9034	17,603.9034	0.2717	1.0701	17,929.5778

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3314	11.2698	4.5502	0.0513	2.2031	0.0915	2.2945	0.6343	0.0875	0.7218		5,451.4054	5,451.4054	0.0839	0.7940	5,690.1044
Worker	3.3500	1.7712	30.9794	0.1174	18.6220	0.0504	18.6723	4.9386	0.0463	4.9850		11,862.0112	11,862.0112	0.1769	0.2559	11,942.6915
Total	3.6814	13.0410	35.5296	0.1686	20.8250	0.1418	20.9668	5.5729	0.1338	5.7068		17,313.4166	17,313.4166	0.2608	1.0499	17,632.7959

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3314	11.2698	4.5502	0.0513	2.2031	0.0915	2.2945	0.6343	0.0875	0.7218		5,451.4054	5,451.4054	0.0839	0.7940	5,690.1044
Worker	3.3500	1.7712	30.9794	0.1174	18.6220	0.0504	18.6723	4.9386	0.0463	4.9850		11,862.0112	11,862.0112	0.1769	0.2559	11,942.6915
Total	3.6814	13.0410	35.5296	0.1686	20.8250	0.1418	20.9668	5.5729	0.1338	5.7068		17,313.4166	17,313.4166	0.2608	1.0499	17,632.7959

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3318	11.2148	4.5602	0.0506	2.2031	0.0911	2.2942	0.6343	0.0872	0.7215		5,380.2075	5,380.2075	0.0856	0.7827	5,615.5957
Worker	3.1801	1.6758	30.0170	0.1155	18.6220	0.0473	18.6692	4.9386	0.0435	4.9821		11,677.4902	11,677.4902	0.1657	0.2498	11,756.0577
Total	3.5118	12.8906	34.5772	0.1661	20.8250	0.1384	20.9634	5.5729	0.1307	5.7036		17,057.6977	17,057.6977	0.2513	1.0325	17,371.6534

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3318	11.2148	4.5602	0.0506	2.2031	0.0911	2.2942	0.6343	0.0872	0.7215		5,380.2075	5,380.2075	0.0856	0.7827	5,615.5957
Worker	3.1801	1.6758	30.0170	0.1155	18.6220	0.0473	18.6692	4.9386	0.0435	4.9821		11,677.4902	11,677.4902	0.1657	0.2498	11,756.0577
Total	3.5118	12.8906	34.5772	0.1661	20.8250	0.1384	20.9634	5.5729	0.1307	5.7036		17,057.6977	17,057.6977	0.2513	1.0325	17,371.6534

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588		3,116.3756	3,116.3756	0.1249		3,119.4980

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3323	11.1592	4.5716	0.0500	2.2030	0.0907	2.2937	0.6343	0.0868	0.7211		5,315.4041	5,315.4041	0.0872	0.7725	5,547.7899
Worker	3.0278	1.5962	29.1510	0.1139	18.6220	0.0445	18.6664	4.9386	0.0409	4.9795		11,515.3271	11,515.3271	0.1556	0.2446	11,592.1082
Total	3.3601	12.7554	33.7226	0.1639	20.8250	0.1352	20.9601	5.5729	0.1277	5.7006		16,830.7312	16,830.7312	0.2428	1.0171	17,139.8980

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980
Total	1.4068	8.4306	17.2058	0.0333		0.1588	0.1588		0.1588	0.1588	0.0000	3,116.3756	3,116.3756	0.1249		3,119.4980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3323	11.1592	4.5716	0.0500	2.2030	0.0907	2.2937	0.6343	0.0868	0.7211		5,315.4041	5,315.4041	0.0872	0.7725	5,547.7899
Worker	3.0278	1.5962	29.1510	0.1139	18.6220	0.0445	18.6664	4.9386	0.0409	4.9795		11,515.3271	11,515.3271	0.1556	0.2446	11,592.1082
Total	3.3601	12.7554	33.7226	0.1639	20.8250	0.1352	20.9601	5.5729	0.1277	5.7006		16,830.7312	16,830.7312	0.2428	1.0171	17,139.8980

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975		3,116.3756	3,116.3756	0.1160		3,119.2766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766
Total	1.3080	7.5907	17.1656	0.0333		0.0975	0.0975		0.0975	0.0975	0.0000	3,116.3756	3,116.3756	0.1160		3,119.2766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3329	11.1077	4.5826	0.0494	2.2030	0.0903	2.2933	0.6343	0.0864	0.7206		5,257.5859	5,257.5859	0.0885	0.7634	5,487.2970
Worker	2.8914	1.5341	28.4103	0.1125	18.6220	0.0419	18.6639	4.9386	0.0386	4.9772		11,374.0144	11,374.0144	0.1468	0.2405	11,449.3630
Total	3.2243	12.6418	32.9928	0.1619	20.8250	0.1322	20.9572	5.5729	0.1249	5.6979		16,631.6003	16,631.6003	0.2353	1.0039	16,936.6600

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6602	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0646	0.0266	2.9000e-004	0.0128	5.2000e-004	0.0133	3.6900e-003	5.0000e-004	4.1900e-003		30.5674	30.5674	5.1000e-004	4.4400e-003	31.9029
Worker	0.0260	0.0138	0.2558	1.0100e-003	0.1677	3.8000e-004	0.1680	0.0445	3.5000e-004	0.0448		102.4071	102.4071	1.3200e-003	2.1700e-003	103.0855
Total	0.0280	0.0784	0.2824	1.3000e-003	0.1805	9.0000e-004	0.1814	0.0482	8.5000e-004	0.0490		132.9745	132.9745	1.8300e-003	6.6100e-003	134.9884

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.6 Paving - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6602	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0646	0.0266	2.9000e-004	0.0128	5.2000e-004	0.0133	3.6900e-003	5.0000e-004	4.1900e-003		30.5674	30.5674	5.1000e-004	4.4400e-003	31.9029
Worker	0.0260	0.0138	0.2558	1.0100e-003	0.1677	3.8000e-004	0.1680	0.0445	3.5000e-004	0.0448		102.4071	102.4071	1.3200e-003	2.1700e-003	103.0855
Total	0.0280	0.0784	0.2824	1.3000e-003	0.1805	9.0000e-004	0.1814	0.0482	8.5000e-004	0.0490		132.9745	132.9745	1.8300e-003	6.6100e-003	134.9884

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.7 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981
Total	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.7 Architectural Coating - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981
Total	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.7 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981
Total	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

3.7 Architectural Coating - 2039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	45.0831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107
Total	45.2403	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981
Total	0.5779	0.3066	5.6786	0.0225	3.7222	8.3800e-003	3.7305	0.9871	7.7100e-003	0.9949		2,273.4375	2,273.4375	0.0293	0.0481	2,288.4981

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.9345	34.1654	271.3250	0.6923	103.1641	0.3928	103.5569	27.4930	0.3691	27.8621		70,580.53 42	70,580.53 42	3.4387	3.3503	71,664.89 56
Unmitigated	24.9345	34.1654	271.3250	0.6923	103.1641	0.3928	103.5569	27.4930	0.3691	27.8621		70,580.53 42	70,580.53 42	3.4387	3.3503	71,664.89 56

4.2 Trip Summary Information

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

4.3 Trip Type Information

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

Calimesa RIPAOZ - 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	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938
Condo/Townhouse	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938
Other Asphalt Surfaces	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938

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	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4639
NaturalGas Unmitigated	0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4639

Calimesa RIPA0Z - 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 - 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					
Apartments Low Rise	51635.3	0.5569	4.7586	2.0249	0.0304		0.3847	0.3847		0.3847	0.3847		6,074.7410	6,074.7410	0.1164	0.1114	6,110.8401
Condo/Townhouse	29655.6	0.3198	2.7330	1.1630	0.0174		0.2210	0.2210		0.2210	0.2210		3,488.8911	3,488.8911	0.0669	0.0640	3,509.6238
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
Total		0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4640

Calimesa RIPA0Z - 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

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	51.6353	0.5569	4.7586	2.0249	0.0304		0.3847	0.3847		0.3847	0.3847		6,074.7410	6,074.7410	0.1164	0.1114	6,110.8401
Condo/Townhouse	29.6556	0.3198	2.7330	1.1630	0.0174		0.2210	0.2210		0.2210	0.2210		3,488.8911	3,488.8911	0.0669	0.0640	3,509.6238
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
Total		0.8767	7.4915	3.1879	0.0478		0.6057	0.6057		0.6057	0.6057		9,563.6321	9,563.6321	0.1833	0.1753	9,620.4640

6.0 Area Detail

6.1 Mitigation Measures Area

Calimesa RIPAOZ - 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
Category	lb/day										lb/day					
Mitigated	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7
Unmitigated	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.1648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4989	4.2632	1.8141	0.0272		0.3447	0.3447		0.3447	0.3447	0.0000	5,442.352 9	5,442.352 9	0.1043	0.0998	5,474.694 1
Landscaping	4.3216	1.6677	144.4844	7.6600e-003		0.8048	0.8048		0.8048	0.8048		261.3083	261.3083	0.2487		267.5265
Total	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.661 2	5,703.661 2	0.3530	0.0998	5,742.220 7

Calimesa RIPAOZ - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.1648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4989	4.2632	1.8141	0.0272		0.3447	0.3447		0.3447	0.3447	0.0000	5,442.3529	5,442.3529	0.1043	0.0998	5,474.6941
Landscaping	4.3216	1.6677	144.4844	7.6600e-003		0.8048	0.8048		0.8048	0.8048		261.3083	261.3083	0.2487		267.5265
Total	43.0731	5.9309	146.2986	0.0349		1.1495	1.1495		1.1495	1.1495	0.0000	5,703.6612	5,703.6612	0.3530	0.0998	5,742.2207

7.0 Water Detail

7.1 Mitigation Measures Water

Calimesa RIPAOZ - 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
