

APPENDIX A-3:
CALEEMOD WORKSHEETS FOR CUMULATIVE PROJECT

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

**Future Street Single Family Cumulative
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	10.00	Dwelling Unit	3.25	18,000.00	29

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2026
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction times are estimated.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	109.00

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tblConstructionPhase	NumDays	230.00	761.00
tblConstructionPhase	NumDays	8.00	88.00
tblConstructionPhase	NumDays	18.00	86.00
tblConstructionPhase	NumDays	5.00	41.00
tblConstructionPhase	PhaseEndDate	1/26/2023	12/31/2025
tblConstructionPhase	PhaseEndDate	12/7/2022	5/31/2025
tblConstructionPhase	PhaseEndDate	1/19/2022	6/30/2022
tblConstructionPhase	PhaseEndDate	1/2/2023	7/29/2025
tblConstructionPhase	PhaseEndDate	1/7/2022	2/28/2022
tblConstructionPhase	PhaseStartDate	1/3/2023	8/1/2025
tblConstructionPhase	PhaseStartDate	1/20/2022	7/1/2022
tblConstructionPhase	PhaseStartDate	1/8/2022	3/1/2022
tblConstructionPhase	PhaseStartDate	12/8/2022	4/1/2025
tblGrading	AcresOfGrading	88.00	8.00
tblGrading	AcresOfGrading	61.50	7.50

2.0 Emissions Summary

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2324	33.1290	20.4062	0.0399	18.4615	1.6139	20.0753	10.0050	1.4848	11.4897	0.0000	3,872.0814	3,872.0814	1.1972	4.5000e-003	3,903.3540
2023	1.5867	14.4322	16.4034	0.0275	0.0511	0.7002	0.7513	0.0137	0.6589	0.6726	0.0000	2,615.2412	2,615.2412	0.6095	3.8000e-003	2,631.6125
2024	1.4846	13.4902	16.3157	0.0275	0.0511	0.6138	0.6649	0.0137	0.5773	0.5910	0.0000	2,614.2956	2,614.2956	0.6059	3.7000e-003	2,630.5459
2025	2.2551	20.0829	29.0263	0.0483	0.2747	0.8816	1.1563	0.0730	0.8237	0.8967	0.0000	4,606.5098	4,606.5098	1.1738	7.6000e-003	4,638.1206
Maximum	3.2324	33.1290	29.0263	0.0483	18.4615	1.6139	20.0753	10.0050	1.4848	11.4897	0.0000	4,606.5098	4,606.5098	1.1972	7.6000e-003	4,638.1206

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.0324	0.2170	5.9098	0.0130		0.7685	0.7685		0.7685	0.7685	93.6692	181.4855	275.1547	0.2808	6.3600e-003	284.0683
Energy	8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346
Mobile	0.2718	0.2654	2.7196	6.1800e-003	0.6864	4.3200e-003	0.6908	0.1829	4.0100e-003	0.1869		630.0446	630.0446	0.0411	0.0251	638.5580
Total	3.3124	0.5521	8.6590	0.0197	0.6864	0.7784	1.4649	0.1829	0.7781	0.9610	93.6692	900.5357	994.2049	0.3235	0.0331	1,012.1609

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	0.4120	9.4900e-003	0.8242	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	1.4855	1.4855	1.4200e-003	0.0000	1.5211
Energy	8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346
Mobile	0.2718	0.2654	2.7196	6.1800e-003	0.6864	4.3200e-003	0.6908	0.1829	4.0100e-003	0.1869		630.0446	630.0446	0.0411	0.0251	638.5580
Total	0.6920	0.3446	3.5735	6.6700e-003	0.6864	0.0145	0.7010	0.1829	0.0142	0.1971	0.0000	720.5357	720.5357	0.0442	0.0268	729.6136

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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	79.11	37.58	58.73	66.06	0.00	98.13	52.15	0.00	98.17	79.49	100.00	19.99	27.53	86.34	19.21	27.92

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	2/28/2022	5	41	
2	Grading	Grading	3/1/2022	6/30/2022	5	88	
3	Building Construction	Building Construction	7/1/2022	5/31/2025	5	761	
4	Paving	Paving	4/1/2025	7/29/2025	5	86	
5	Architectural Coating	Architectural Coating	8/1/2025	12/31/2025	5	109	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 36,450; Residential Outdoor: 12,150; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

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Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2603	0.0000	18.2603	9.9516	0.0000	9.9516			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.2603	1.6126	19.8728	9.9516	1.4836	11.4352		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885

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3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1215	0.0000	7.1215	3.8811	0.0000	3.8811			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	7.1215	1.6126	8.7341	3.8811	1.4836	5.3647	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885

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3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1185	0.0000	6.1185	3.3206	0.0000	3.3206			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.1185	0.9409	7.0594	3.3206	0.8656	4.1862		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0379	0.5904	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		155.0163	155.0163	4.2200e-003	3.7500e-003	156.2404
Total	0.0519	0.0379	0.5904	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		155.0163	155.0163	4.2200e-003	3.7500e-003	156.2404

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

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3862	0.0000	2.3862	1.2951	0.0000	1.2951			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	2.3862	0.9409	3.3271	1.2951	0.8656	2.1606	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0379	0.5904	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		155.0163	155.0163	4.2200e-003	3.7500e-003	156.2404
Total	0.0519	0.0379	0.5904	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		155.0163	155.0163	4.2200e-003	3.7500e-003	156.2404

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

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0490	0.0168	2.0000e-004	6.4100e-003	4.7000e-004	6.8700e-003	1.8400e-003	4.5000e-004	2.2900e-003		21.0462	21.0462	7.0000e-004	3.0300e-003	21.9675
Worker	0.0138	0.0101	0.1574	4.1000e-004	0.0447	2.9000e-004	0.0450	0.0119	2.6000e-004	0.0121		41.3377	41.3377	1.1300e-003	1.0000e-003	41.6641
Total	0.0158	0.0591	0.1742	6.1000e-004	0.0511	7.6000e-004	0.0519	0.0137	7.1000e-004	0.0144		62.3838	62.3838	1.8300e-003	4.0300e-003	63.6316

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3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0490	0.0168	2.0000e-004	6.4100e-003	4.7000e-004	6.8700e-003	1.8400e-003	4.5000e-004	2.2900e-003		21.0462	21.0462	7.0000e-004	3.0300e-003	21.9675
Worker	0.0138	0.0101	0.1574	4.1000e-004	0.0447	2.9000e-004	0.0450	0.0119	2.6000e-004	0.0121		41.3377	41.3377	1.1300e-003	1.0000e-003	41.6641
Total	0.0158	0.0591	0.1742	6.1000e-004	0.0511	7.6000e-004	0.0519	0.0137	7.1000e-004	0.0144		62.3838	62.3838	1.8300e-003	4.0300e-003	63.6316

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 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					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1500e-003	0.0384	0.0149	1.9000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		20.0283	20.0283	6.7000e-004	2.8800e-003	20.9031
Worker	0.0128	8.9200e-003	0.1446	4.0000e-004	0.0447	2.7000e-004	0.0450	0.0119	2.5000e-004	0.0121		40.0030	40.0030	1.0100e-003	9.2000e-004	40.3033
Total	0.0140	0.0473	0.1594	5.9000e-004	0.0511	4.6000e-004	0.0516	0.0137	4.3000e-004	0.0141		60.0313	60.0313	1.6800e-003	3.8000e-003	61.2065

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 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					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1500e-003	0.0384	0.0149	1.9000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		20.0283	20.0283	6.7000e-004	2.8800e-003	20.9031
Worker	0.0128	8.9200e-003	0.1446	4.0000e-004	0.0447	2.7000e-004	0.0450	0.0119	2.5000e-004	0.0121		40.0030	40.0030	1.0100e-003	9.2000e-004	40.3033
Total	0.0140	0.0473	0.1594	5.9000e-004	0.0511	4.6000e-004	0.0516	0.0137	4.3000e-004	0.0141		60.0313	60.0313	1.6800e-003	3.8000e-003	61.2065

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	0.0385	0.0146	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.7275	19.7275	6.7000e-004	2.8400e-003	20.5904
Worker	0.0119	7.9700e-003	0.1343	3.8000e-004	0.0447	2.6000e-004	0.0450	0.0119	2.4000e-004	0.0121		38.8692	38.8692	9.1000e-004	8.6000e-004	39.1479
Total	0.0131	0.0464	0.1489	5.6000e-004	0.0511	4.5000e-004	0.0516	0.0137	4.3000e-004	0.0141		58.5967	58.5967	1.5800e-003	3.7000e-003	59.7383

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	0.0385	0.0146	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.7275	19.7275	6.7000e-004	2.8400e-003	20.5904
Worker	0.0119	7.9700e-003	0.1343	3.8000e-004	0.0447	2.6000e-004	0.0450	0.0119	2.4000e-004	0.0121		38.8692	38.8692	9.1000e-004	8.6000e-004	39.1479
Total	0.0131	0.0464	0.1489	5.6000e-004	0.0511	4.5000e-004	0.0516	0.0137	4.3000e-004	0.0141		58.5967	58.5967	1.5800e-003	3.7000e-003	59.7383

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0383	0.0143	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.3723	19.3723	6.8000e-004	2.7900e-003	20.2207
Worker	0.0112	7.1500e-003	0.1249	3.7000e-004	0.0447	2.5000e-004	0.0450	0.0119	2.3000e-004	0.0121		37.5451	37.5451	8.2000e-004	8.0000e-004	37.8046
Total	0.0122	0.0454	0.1392	5.5000e-004	0.0511	4.4000e-004	0.0516	0.0137	4.2000e-004	0.0141		56.9174	56.9174	1.5000e-003	3.5900e-003	58.0253

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0383	0.0143	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.3723	19.3723	6.8000e-004	2.7900e-003	20.2207
Worker	0.0112	7.1500e-003	0.1249	3.7000e-004	0.0447	2.5000e-004	0.0450	0.0119	2.3000e-004	0.0121		37.5451	37.5451	8.2000e-004	8.0000e-004	37.8046
Total	0.0122	0.0454	0.1392	5.5000e-004	0.0511	4.4000e-004	0.0516	0.0137	4.2000e-004	0.0141		56.9174	56.9174	1.5000e-003	3.5900e-003	58.0253

Future Street Single Family Cumulative - Los Angeles-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 Paving - 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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0557	0.0358	0.6247	1.8600e-003	0.2236	1.2300e-003	0.2248	0.0593	1.1300e-003	0.0604		187.7255	187.7255	4.1100e-003	4.0100e-003	189.0231
Total	0.0557	0.0358	0.6247	1.8600e-003	0.2236	1.2300e-003	0.2248	0.0593	1.1300e-003	0.0604		187.7255	187.7255	4.1100e-003	4.0100e-003	189.0231

Future Street Single Family Cumulative - Los Angeles-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 Paving - 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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0557	0.0358	0.6247	1.8600e-003	0.2236	1.2300e-003	0.2248	0.0593	1.1300e-003	0.0604		187.7255	187.7255	4.1100e-003	4.0100e-003	189.0231
Total	0.0557	0.0358	0.6247	1.8600e-003	0.2236	1.2300e-003	0.2248	0.0593	1.1300e-003	0.0604		187.7255	187.7255	4.1100e-003	4.0100e-003	189.0231

Future Street Single Family Cumulative - Los Angeles-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 Architectural Coating - 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					
Archit. Coating	1.0333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	1.2042	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7900e-003	1.7900e-003	0.0312	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0200e-003		9.3863	9.3863	2.1000e-004	2.0000e-004	9.4512
Total	2.7900e-003	1.7900e-003	0.0312	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0200e-003		9.3863	9.3863	2.1000e-004	2.0000e-004	9.4512

Future Street Single Family Cumulative - Los Angeles-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 Architectural Coating - 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					
Archit. Coating	1.0333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	1.2042	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7900e-003	1.7900e-003	0.0312	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0200e-003		9.3863	9.3863	2.1000e-004	2.0000e-004	9.4512
Total	2.7900e-003	1.7900e-003	0.0312	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0200e-003		9.3863	9.3863	2.1000e-004	2.0000e-004	9.4512

Future Street Single Family Cumulative - Los Angeles-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	0.2718	0.2654	2.7196	6.1800e-003	0.6864	4.3200e-003	0.6908	0.1829	4.0100e-003	0.1869		630.0446	630.0446	0.0411	0.0251	638.5580
Unmitigated	0.2718	0.2654	2.7196	6.1800e-003	0.6864	4.3200e-003	0.6908	0.1829	4.0100e-003	0.1869		630.0446	630.0446	0.0411	0.0251	638.5580

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	94.40	95.40	85.50	318,723	318,723
Total	94.40	95.40	85.50	318,723	318,723

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
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346
NaturalGas Unmitigated	8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	756.548	8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346
Total		8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346

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					
Single Family Housing	0.756548	8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346
Total		8.1600e-003	0.0697	0.0297	4.5000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003		89.0057	89.0057	1.7100e-003	1.6300e-003	89.5346

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Future Street Single Family Cumulative - Los Angeles-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	0.4120	9.4900e-003	0.8242	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	1.4855	1.4855	1.4200e-003	0.0000	1.5211
Unmitigated	3.0324	0.2170	5.9098	0.0130		0.7685	0.7685		0.7685	0.7685	93.6692	181.4855	275.1547	0.2808	6.3600e-003	284.0683

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0309					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3564					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.6204	0.2075	5.0855	0.0130		0.7639	0.7639		0.7639	0.7639	93.6692	180.0000	273.6692	0.2793	6.3600e-003	282.5472
Landscaping	0.0248	9.4900e-003	0.8242	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		1.4855	1.4855	1.4200e-003		1.5211
Total	3.0324	0.2170	5.9098	0.0130		0.7685	0.7685		0.7685	0.7685	93.6692	181.4855	275.1547	0.2808	6.3600e-003	284.0683

Future Street Single Family Cumulative - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0309					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3564					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0248	9.4900e-003	0.8242	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		1.4855	1.4855	1.4200e-003		1.5211
Total	0.4120	9.4900e-003	0.8242	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	1.4855	1.4855	1.4200e-003	0.0000	1.5211

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Future Street Single Family Cumulative - Los Angeles-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
