

**APPENDIX A-4:**  
**CALEEMOD WORKSHEETS FOR CUMULATIVE PROJECTS (ANNUAL EMISSIONS)**

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

**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, Annual**

**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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2026
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	691.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	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
tblConstructionPhase	NumDays	18.00	109.00
tblConstructionPhase	NumDays	230.00	761.00

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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**

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2670	2.6257	2.1966	3.9900e-003	0.6581	0.1276	0.7857	0.3540	0.1185	0.4725	0.0000	347.8576	347.8576	0.0960	5.0000e-004	350.4057
2023	0.2063	1.8766	2.1314	3.5800e-003	6.5200e-003	0.0910	0.0975	1.7500e-003	0.0857	0.0874	0.0000	308.2455	308.2455	0.0719	4.6000e-004	310.1792
2024	0.1945	1.7676	2.1364	3.6000e-003	6.5700e-003	0.0804	0.0870	1.7600e-003	0.0756	0.0774	0.0000	310.5098	310.5098	0.0720	4.5000e-004	312.4438
2025	0.1779	1.0641	1.5249	2.5400e-003	0.0127	0.0465	0.0593	3.3900e-003	0.0437	0.0471	0.0000	219.7842	219.7842	0.0526	3.6000e-004	221.2057
<b>Maximum</b>	<b>0.2670</b>	<b>2.6257</b>	<b>2.1966</b>	<b>3.9900e-003</b>	<b>0.6581</b>	<b>0.1276</b>	<b>0.7857</b>	<b>0.3540</b>	<b>0.1185</b>	<b>0.4725</b>	<b>0.0000</b>	<b>347.8576</b>	<b>347.8576</b>	<b>0.0960</b>	<b>5.0000e-004</b>	<b>350.4057</b>

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**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2670	2.6257	2.1966	3.9900e-003	0.2655	0.1276	0.3931	0.1404	0.1185	0.2589	0.0000	347.8572	347.8572	0.0960	5.0000e-004	350.4053
2023	0.2063	1.8766	2.1314	3.5800e-003	6.5200e-003	0.0910	0.0975	1.7500e-003	0.0857	0.0874	0.0000	308.2452	308.2452	0.0719	4.6000e-004	310.1789
2024	0.1945	1.7676	2.1364	3.6000e-003	6.5700e-003	0.0804	0.0870	1.7600e-003	0.0756	0.0774	0.0000	310.5094	310.5094	0.0720	4.5000e-004	312.4434
2025	0.1779	1.0641	1.5249	2.5400e-003	0.0127	0.0465	0.0593	3.3900e-003	0.0437	0.0471	0.0000	219.7840	219.7840	0.0526	3.6000e-004	221.2055
<b>Maximum</b>	<b>0.2670</b>	<b>2.6257</b>	<b>2.1966</b>	<b>3.9900e-003</b>	<b>0.2655</b>	<b>0.1276</b>	<b>0.3931</b>	<b>0.1404</b>	<b>0.1185</b>	<b>0.2589</b>	<b>0.0000</b>	<b>347.8572</b>	<b>347.8572</b>	<b>0.0960</b>	<b>5.0000e-004</b>	<b>350.4053</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>57.40</b>	<b>0.00</b>	<b>38.13</b>	<b>59.18</b>	<b>0.00</b>	<b>31.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.0199	1.0199
2	4-1-2022	6-30-2022	0.7440	0.7440
3	7-1-2022	9-30-2022	0.5716	0.5716
4	10-1-2022	12-31-2022	0.5717	0.5717
5	1-1-2023	3-31-2023	0.5150	0.5150
6	4-1-2023	6-30-2023	0.5206	0.5206
7	7-1-2023	9-30-2023	0.5263	0.5263
8	10-1-2023	12-31-2023	0.5265	0.5265

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9	1-1-2024	3-31-2024	0.4868	0.4868
10	4-1-2024	6-30-2024	0.4867	0.4867
11	7-1-2024	9-30-2024	0.4920	0.4920
12	10-1-2024	12-31-2024	0.4921	0.4921
13	1-1-2025	3-31-2025	0.4467	0.4467
14	4-1-2025	6-30-2025	0.5771	0.5771
15	7-1-2025	9-30-2025	0.1387	0.1387
		Highest	1.0199	1.0199

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1065	3.7800e-003	0.1666	1.7000e-004		0.0101	0.0101		0.0101	0.0101	1.0622	2.2096	3.2718	3.3300e-003	7.0000e-005	3.3765
Energy	1.4900e-003	0.0127	5.4100e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	39.4849	39.4849	1.4600e-003	4.1000e-004	39.6446
Mobile	0.0468	0.0517	0.4788	1.0600e-003	0.1198	7.7000e-004	0.1205	0.0320	7.1000e-004	0.0327	0.0000	98.4781	98.4781	6.7700e-003	4.2500e-003	99.9147
Waste						0.0000	0.0000		0.0000	0.0000	2.4136	0.0000	2.4136	0.1426	0.0000	5.9795
Water						0.0000	0.0000		0.0000	0.0000	0.2067	4.0952	4.3019	0.0214	5.2000e-004	4.9940
<b>Total</b>	<b>0.1548</b>	<b>0.0682</b>	<b>0.6508</b>	<b>1.3100e-003</b>	<b>0.1198</b>	<b>0.0119</b>	<b>0.1317</b>	<b>0.0320</b>	<b>0.0119</b>	<b>0.0438</b>	<b>3.6825</b>	<b>144.2678</b>	<b>147.9503</b>	<b>0.1756</b>	<b>5.2500e-003</b>	<b>153.9094</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0738	1.1900e-003	0.1030	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.1685	0.1685	1.6000e-004	0.0000	0.1725
Energy	1.4900e-003	0.0127	5.4100e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	39.4849	39.4849	1.4600e-003	4.1000e-004	39.6446
Mobile	0.0468	0.0517	0.4788	1.0600e-003	0.1198	7.7000e-004	0.1205	0.0320	7.1000e-004	0.0327	0.0000	98.4781	98.4781	6.7700e-003	4.2500e-003	99.9147
Waste						0.0000	0.0000		0.0000	0.0000	2.4136	0.0000	2.4136	0.1426	0.0000	5.9795
Water						0.0000	0.0000		0.0000	0.0000	0.1654	3.5626	3.7280	0.0172	4.2000e-004	4.2825
<b>Total</b>	<b>0.1220</b>	<b>0.0656</b>	<b>0.5872</b>	<b>1.1500e-003</b>	<b>0.1198</b>	<b>2.3700e-003</b>	<b>0.1221</b>	<b>0.0320</b>	<b>2.3100e-003</b>	<b>0.0343</b>	<b>2.5789</b>	<b>141.6941</b>	<b>144.2730</b>	<b>0.1682</b>	<b>5.0800e-003</b>	<b>149.9938</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>21.16</b>	<b>3.80</b>	<b>9.77</b>	<b>12.21</b>	<b>0.00</b>	<b>80.12</b>	<b>7.25</b>	<b>0.00</b>	<b>80.52</b>	<b>21.79</b>	<b>29.97</b>	<b>1.78</b>	<b>2.49</b>	<b>4.24</b>	<b>3.24</b>	<b>2.54</b>

**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	

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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
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

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**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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

**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	tons/yr										MT/yr					
Fugitive Dust					0.3743	0.0000	0.3743	0.2040	0.0000	0.2040	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0650	0.6782	0.4038	7.8000e-004		0.0331	0.0331		0.0304	0.0304	0.0000	68.5508	68.5508	0.0222	0.0000	69.1050
<b>Total</b>	<b>0.0650</b>	<b>0.6782</b>	<b>0.4038</b>	<b>7.8000e-004</b>	<b>0.3743</b>	<b>0.0331</b>	<b>0.4074</b>	<b>0.2040</b>	<b>0.0304</b>	<b>0.2344</b>	<b>0.0000</b>	<b>68.5508</b>	<b>68.5508</b>	<b>0.0222</b>	<b>0.0000</b>	<b>69.1050</b>

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**3.2 Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2600e-003	1.0500e-003	0.0137	4.0000e-005	4.0400e-003	3.0000e-005	4.0700e-003	1.0700e-003	2.0000e-005	1.1000e-003	0.0000	3.3256	3.3256	1.0000e-004	9.0000e-005	3.3551
<b>Total</b>	<b>1.2600e-003</b>	<b>1.0500e-003</b>	<b>0.0137</b>	<b>4.0000e-005</b>	<b>4.0400e-003</b>	<b>3.0000e-005</b>	<b>4.0700e-003</b>	<b>1.0700e-003</b>	<b>2.0000e-005</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>3.3256</b>	<b>3.3256</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>3.3551</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1460	0.0000	0.1460	0.0796	0.0000	0.0796	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0650	0.6782	0.4038	7.8000e-004		0.0331	0.0331		0.0304	0.0304	0.0000	68.5507	68.5507	0.0222	0.0000	69.1049
<b>Total</b>	<b>0.0650</b>	<b>0.6782</b>	<b>0.4038</b>	<b>7.8000e-004</b>	<b>0.1460</b>	<b>0.0331</b>	<b>0.1791</b>	<b>0.0796</b>	<b>0.0304</b>	<b>0.1100</b>	<b>0.0000</b>	<b>68.5507</b>	<b>68.5507</b>	<b>0.0222</b>	<b>0.0000</b>	<b>69.1049</b>

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**3.2 Site Preparation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2600e-003	1.0500e-003	0.0137	4.0000e-005	4.0400e-003	3.0000e-005	4.0700e-003	1.0700e-003	2.0000e-005	1.1000e-003	0.0000	3.3256	3.3256	1.0000e-004	9.0000e-005	3.3551
<b>Total</b>	<b>1.2600e-003</b>	<b>1.0500e-003</b>	<b>0.0137</b>	<b>4.0000e-005</b>	<b>4.0400e-003</b>	<b>3.0000e-005</b>	<b>4.0700e-003</b>	<b>1.0700e-003</b>	<b>2.0000e-005</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>3.3256</b>	<b>3.3256</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>3.3551</b>

**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	tons/yr										MT/yr					
Fugitive Dust					0.2692	0.0000	0.2692	0.1461	0.0000	0.1461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0857	0.9176	0.6720	1.3000e-003		0.0414	0.0414		0.0381	0.0381	0.0000	114.6410	114.6410	0.0371	0.0000	115.5679
<b>Total</b>	<b>0.0857</b>	<b>0.9176</b>	<b>0.6720</b>	<b>1.3000e-003</b>	<b>0.2692</b>	<b>0.0414</b>	<b>0.3106</b>	<b>0.1461</b>	<b>0.0381</b>	<b>0.1842</b>	<b>0.0000</b>	<b>114.6410</b>	<b>114.6410</b>	<b>0.0371</b>	<b>0.0000</b>	<b>115.5679</b>

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

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

**3.3 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.8800e-003	0.0245	6.0000e-005	7.2300e-003	5.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.9482	5.9482	1.7000e-004	1.6000e-004	6.0009
<b>Total</b>	<b>2.2600e-003</b>	<b>1.8800e-003</b>	<b>0.0245</b>	<b>6.0000e-005</b>	<b>7.2300e-003</b>	<b>5.0000e-005</b>	<b>7.2800e-003</b>	<b>1.9200e-003</b>	<b>4.0000e-005</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>5.9482</b>	<b>5.9482</b>	<b>1.7000e-004</b>	<b>1.6000e-004</b>	<b>6.0009</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1050	0.0000	0.1050	0.0570	0.0000	0.0570	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0857	0.9176	0.6720	1.3000e-003		0.0414	0.0414		0.0381	0.0381	0.0000	114.6408	114.6408	0.0371	0.0000	115.5678
<b>Total</b>	<b>0.0857</b>	<b>0.9176</b>	<b>0.6720</b>	<b>1.3000e-003</b>	<b>0.1050</b>	<b>0.0414</b>	<b>0.1464</b>	<b>0.0570</b>	<b>0.0381</b>	<b>0.0951</b>	<b>0.0000</b>	<b>114.6408</b>	<b>114.6408</b>	<b>0.0371</b>	<b>0.0000</b>	<b>115.5678</b>

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

**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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.8800e-003	0.0245	6.0000e-005	7.2300e-003	5.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.9482	5.9482	1.7000e-004	1.6000e-004	6.0009
<b>Total</b>	<b>2.2600e-003</b>	<b>1.8800e-003</b>	<b>0.0245</b>	<b>6.0000e-005</b>	<b>7.2300e-003</b>	<b>5.0000e-005</b>	<b>7.2800e-003</b>	<b>1.9200e-003</b>	<b>4.0000e-005</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>5.9482</b>	<b>5.9482</b>	<b>1.7000e-004</b>	<b>1.6000e-004</b>	<b>6.0009</b>

**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	tons/yr										MT/yr					
Off-Road	0.1118	1.0228	1.0718	1.7600e-003		0.0530	0.0530		0.0499	0.0499	0.0000	151.7800	151.7800	0.0364	0.0000	152.6891
<b>Total</b>	<b>0.1118</b>	<b>1.0228</b>	<b>1.0718</b>	<b>1.7600e-003</b>		<b>0.0530</b>	<b>0.0530</b>		<b>0.0499</b>	<b>0.0499</b>	<b>0.0000</b>	<b>151.7800</b>	<b>151.7800</b>	<b>0.0364</b>	<b>0.0000</b>	<b>152.6891</b>

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

**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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	3.3700e-003	1.1200e-003	1.0000e-005	4.1000e-004	3.0000e-005	4.4000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.2508	1.2508	4.0000e-005	1.8000e-004	1.3056
Worker	9.0000e-004	7.5000e-004	9.7100e-003	3.0000e-005	2.8700e-003	2.0000e-005	2.8900e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.3613	2.3613	7.0000e-005	6.0000e-005	2.3822
<b>Total</b>	<b>1.0300e-003</b>	<b>4.1200e-003</b>	<b>0.0108</b>	<b>4.0000e-005</b>	<b>3.2800e-003</b>	<b>5.0000e-005</b>	<b>3.3300e-003</b>	<b>8.8000e-004</b>	<b>5.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>3.6120</b>	<b>3.6120</b>	<b>1.1000e-004</b>	<b>2.4000e-004</b>	<b>3.6878</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1118	1.0228	1.0718	1.7600e-003		0.0530	0.0530		0.0499	0.0499	0.0000	151.7799	151.7799	0.0364	0.0000	152.6889
<b>Total</b>	<b>0.1118</b>	<b>1.0228</b>	<b>1.0718</b>	<b>1.7600e-003</b>		<b>0.0530</b>	<b>0.0530</b>		<b>0.0499</b>	<b>0.0499</b>	<b>0.0000</b>	<b>151.7799</b>	<b>151.7799</b>	<b>0.0364</b>	<b>0.0000</b>	<b>152.6889</b>

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

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

**3.4 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	3.3700e-003	1.1200e-003	1.0000e-005	4.1000e-004	3.0000e-005	4.4000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.2508	1.2508	4.0000e-005	1.8000e-004	1.3056
Worker	9.0000e-004	7.5000e-004	9.7100e-003	3.0000e-005	2.8700e-003	2.0000e-005	2.8900e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.3613	2.3613	7.0000e-005	6.0000e-005	2.3822
<b>Total</b>	<b>1.0300e-003</b>	<b>4.1200e-003</b>	<b>0.0108</b>	<b>4.0000e-005</b>	<b>3.2800e-003</b>	<b>5.0000e-005</b>	<b>3.3300e-003</b>	<b>8.8000e-004</b>	<b>5.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>3.6120</b>	<b>3.6120</b>	<b>1.1000e-004</b>	<b>2.4000e-004</b>	<b>3.6878</b>

**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	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>

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

**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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	5.2400e-003	1.9600e-003	2.0000e-005	8.2000e-004	3.0000e-005	8.4000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	2.3637	2.3637	8.0000e-005	3.4000e-004	2.4670
Worker	1.6500e-003	1.3100e-003	0.0177	5.0000e-005	5.7000e-003	3.0000e-005	5.7300e-003	1.5100e-003	3.0000e-005	1.5500e-003	0.0000	4.5357	4.5357	1.2000e-004	1.2000e-004	4.5739
<b>Total</b>	<b>1.8000e-003</b>	<b>6.5500e-003</b>	<b>0.0197</b>	<b>7.0000e-005</b>	<b>6.5200e-003</b>	<b>6.0000e-005</b>	<b>6.5700e-003</b>	<b>1.7500e-003</b>	<b>5.0000e-005</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.8994</b>	<b>6.8994</b>	<b>2.0000e-004</b>	<b>4.6000e-004</b>	<b>7.0409</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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

**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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	5.2400e-003	1.9600e-003	2.0000e-005	8.2000e-004	3.0000e-005	8.4000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	2.3637	2.3637	8.0000e-005	3.4000e-004	2.4670
Worker	1.6500e-003	1.3100e-003	0.0177	5.0000e-005	5.7000e-003	3.0000e-005	5.7300e-003	1.5100e-003	3.0000e-005	1.5500e-003	0.0000	4.5357	4.5357	1.2000e-004	1.2000e-004	4.5739
<b>Total</b>	<b>1.8000e-003</b>	<b>6.5500e-003</b>	<b>0.0197</b>	<b>7.0000e-005</b>	<b>6.5200e-003</b>	<b>6.0000e-005</b>	<b>6.5700e-003</b>	<b>1.7500e-003</b>	<b>5.0000e-005</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.8994</b>	<b>6.8994</b>	<b>2.0000e-004</b>	<b>4.6000e-004</b>	<b>7.0409</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7223</b>	<b>303.7223</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5179</b>

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

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

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	5.2900e-003	1.9300e-003	2.0000e-005	8.3000e-004	3.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	2.3461	2.3461	8.0000e-005	3.4000e-004	2.4489
Worker	1.5500e-003	1.1800e-003	0.0166	5.0000e-005	5.7400e-003	3.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.4413	4.4413	1.1000e-004	1.1000e-004	4.4770
<b>Total</b>	<b>1.6900e-003</b>	<b>6.4700e-003</b>	<b>0.0185</b>	<b>7.0000e-005</b>	<b>6.5700e-003</b>	<b>6.0000e-005</b>	<b>6.6300e-003</b>	<b>1.7700e-003</b>	<b>5.0000e-005</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>6.7875</b>	<b>6.7875</b>	<b>1.9000e-004</b>	<b>4.5000e-004</b>	<b>6.9259</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7220</b>	<b>303.7220</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5175</b>

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

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

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	5.2900e-003	1.9300e-003	2.0000e-005	8.3000e-004	3.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	2.3461	2.3461	8.0000e-005	3.4000e-004	2.4489
Worker	1.5500e-003	1.1800e-003	0.0166	5.0000e-005	5.7400e-003	3.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.4413	4.4413	1.1000e-004	1.1000e-004	4.4770
<b>Total</b>	<b>1.6900e-003</b>	<b>6.4700e-003</b>	<b>0.0185</b>	<b>7.0000e-005</b>	<b>6.5700e-003</b>	<b>6.0000e-005</b>	<b>6.6300e-003</b>	<b>1.7700e-003</b>	<b>5.0000e-005</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>6.7875</b>	<b>6.7875</b>	<b>1.9000e-004</b>	<b>4.5000e-004</b>	<b>6.9259</b>

**3.4 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0738	0.6734	0.8686	1.4600e-003		0.0285	0.0285		0.0268	0.0268	0.0000	125.2365	125.2365	0.0294	0.0000	125.9725
<b>Total</b>	<b>0.0738</b>	<b>0.6734</b>	<b>0.8686</b>	<b>1.4600e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0268</b>	<b>0.0268</b>	<b>0.0000</b>	<b>125.2365</b>	<b>125.2365</b>	<b>0.0294</b>	<b>0.0000</b>	<b>125.9725</b>

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

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

**3.4 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.1700e-003	7.8000e-004	1.0000e-005	3.4000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9497	0.9497	3.0000e-005	1.4000e-004	0.9913
Worker	6.0000e-004	4.4000e-004	6.3700e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.7686	1.7686	4.0000e-005	4.0000e-005	1.7823
<b>Total</b>	<b>6.6000e-004</b>	<b>2.6100e-003</b>	<b>7.1500e-003</b>	<b>3.0000e-005</b>	<b>2.7100e-003</b>	<b>2.0000e-005</b>	<b>2.7300e-003</b>	<b>7.3000e-004</b>	<b>2.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.7183</b>	<b>2.7183</b>	<b>7.0000e-005</b>	<b>1.8000e-004</b>	<b>2.7736</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0738	0.6734	0.8686	1.4600e-003		0.0285	0.0285		0.0268	0.0268	0.0000	125.2364	125.2364	0.0294	0.0000	125.9723
<b>Total</b>	<b>0.0738</b>	<b>0.6734</b>	<b>0.8686</b>	<b>1.4600e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0268</b>	<b>0.0268</b>	<b>0.0000</b>	<b>125.2364</b>	<b>125.2364</b>	<b>0.0294</b>	<b>0.0000</b>	<b>125.9723</b>

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

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

**3.4 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.1700e-003	7.8000e-004	1.0000e-005	3.4000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9497	0.9497	3.0000e-005	1.4000e-004	0.9913
Worker	6.0000e-004	4.4000e-004	6.3700e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.7686	1.7686	4.0000e-005	4.0000e-005	1.7823
<b>Total</b>	<b>6.6000e-004</b>	<b>2.6100e-003</b>	<b>7.1500e-003</b>	<b>3.0000e-005</b>	<b>2.7100e-003</b>	<b>2.0000e-005</b>	<b>2.7300e-003</b>	<b>7.3000e-004</b>	<b>2.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.7183</b>	<b>2.7183</b>	<b>7.0000e-005</b>	<b>1.8000e-004</b>	<b>2.7736</b>

**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	tons/yr										MT/yr					
Off-Road	0.0353	0.3239	0.5237	8.1000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	70.4265	70.4265	0.0221	0.0000	70.9797
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0353</b>	<b>0.3239</b>	<b>0.5237</b>	<b>8.1000e-004</b>		<b>0.0152</b>	<b>0.0152</b>		<b>0.0140</b>	<b>0.0140</b>	<b>0.0000</b>	<b>70.4265</b>	<b>70.4265</b>	<b>0.0221</b>	<b>0.0000</b>	<b>70.9797</b>

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

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

**3.5 Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3800e-003	1.7300e-003	0.0254	8.0000e-005	9.4200e-003	5.0000e-005	9.4800e-003	2.5000e-003	5.0000e-005	2.5500e-003	0.0000	7.0415	7.0415	1.6000e-004	1.7000e-004	7.0961
<b>Total</b>	<b>2.3800e-003</b>	<b>1.7300e-003</b>	<b>0.0254</b>	<b>8.0000e-005</b>	<b>9.4200e-003</b>	<b>5.0000e-005</b>	<b>9.4800e-003</b>	<b>2.5000e-003</b>	<b>5.0000e-005</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>7.0415</b>	<b>7.0415</b>	<b>1.6000e-004</b>	<b>1.7000e-004</b>	<b>7.0961</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0353	0.3239	0.5236	8.1000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	70.4264	70.4264	0.0221	0.0000	70.9796
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0353</b>	<b>0.3239</b>	<b>0.5236</b>	<b>8.1000e-004</b>		<b>0.0152</b>	<b>0.0152</b>		<b>0.0140</b>	<b>0.0140</b>	<b>0.0000</b>	<b>70.4264</b>	<b>70.4264</b>	<b>0.0221</b>	<b>0.0000</b>	<b>70.9796</b>

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

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

**3.5 Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3800e-003	1.7300e-003	0.0254	8.0000e-005	9.4200e-003	5.0000e-005	9.4800e-003	2.5000e-003	5.0000e-005	2.5500e-003	0.0000	7.0415	7.0415	1.6000e-004	1.7000e-004	7.0961
<b>Total</b>	<b>2.3800e-003</b>	<b>1.7300e-003</b>	<b>0.0254</b>	<b>8.0000e-005</b>	<b>9.4200e-003</b>	<b>5.0000e-005</b>	<b>9.4800e-003</b>	<b>2.5000e-003</b>	<b>5.0000e-005</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>7.0415</b>	<b>7.0415</b>	<b>1.6000e-004</b>	<b>1.7000e-004</b>	<b>7.0961</b>

**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	tons/yr										MT/yr					
Archit. Coating	0.0563					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3100e-003	0.0624	0.0986	1.6000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	13.9152	13.9152	7.6000e-004	0.0000	13.9342
<b>Total</b>	<b>0.0656</b>	<b>0.0624</b>	<b>0.0986</b>	<b>1.6000e-004</b>		<b>2.8100e-003</b>	<b>2.8100e-003</b>		<b>2.8100e-003</b>	<b>2.8100e-003</b>	<b>0.0000</b>	<b>13.9152</b>	<b>13.9152</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>13.9342</b>

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

**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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.1000e-004	1.6100e-003	0.0000	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4462	0.4462	1.0000e-005	1.0000e-005	0.4497
<b>Total</b>	<b>1.5000e-004</b>	<b>1.1000e-004</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4462</b>	<b>0.4462</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4497</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0563					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3100e-003	0.0624	0.0986	1.6000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	13.9152	13.9152	7.6000e-004	0.0000	13.9342
<b>Total</b>	<b>0.0656</b>	<b>0.0624</b>	<b>0.0986</b>	<b>1.6000e-004</b>		<b>2.8100e-003</b>	<b>2.8100e-003</b>		<b>2.8100e-003</b>	<b>2.8100e-003</b>	<b>0.0000</b>	<b>13.9152</b>	<b>13.9152</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>13.9342</b>

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

**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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.1000e-004	1.6100e-003	0.0000	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4462	0.4462	1.0000e-005	1.0000e-005	0.4497
<b>Total</b>	<b>1.5000e-004</b>	<b>1.1000e-004</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4462</b>	<b>0.4462</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4497</b>

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

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0468	0.0517	0.4788	1.0600e-003	0.1198	7.7000e-004	0.1205	0.0320	7.1000e-004	0.0327	0.0000	98.4781	98.4781	6.7700e-003	4.2500e-003	99.9147
Unmitigated	0.0468	0.0517	0.4788	1.0600e-003	0.1198	7.7000e-004	0.1205	0.0320	7.1000e-004	0.0327	0.0000	98.4781	98.4781	6.7700e-003	4.2500e-003	99.9147

**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, Annual

**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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	24.7490	24.7490	1.1800e-003	1.4000e-004	24.8211
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	24.7490	24.7490	1.1800e-003	1.4000e-004	24.8211
NaturalGas Mitigated	1.4900e-003	0.0127	5.4100e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7359	14.7359	2.8000e-004	2.7000e-004	14.8235
NaturalGas Unmitigated	1.4900e-003	0.0127	5.4100e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7359	14.7359	2.8000e-004	2.7000e-004	14.8235

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

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	276140	1.4900e-003	0.0127	5.4100e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7359	14.7359	2.8000e-004	2.7000e-004	14.8235
<b>Total</b>		<b>1.4900e-003</b>	<b>0.0127</b>	<b>5.4100e-003</b>	<b>8.0000e-005</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>14.7359</b>	<b>14.7359</b>	<b>2.8000e-004</b>	<b>2.7000e-004</b>	<b>14.8235</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	276140	1.4900e-003	0.0127	5.4100e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7359	14.7359	2.8000e-004	2.7000e-004	14.8235
<b>Total</b>		<b>1.4900e-003</b>	<b>0.0127</b>	<b>5.4100e-003</b>	<b>8.0000e-005</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>14.7359</b>	<b>14.7359</b>	<b>2.8000e-004</b>	<b>2.7000e-004</b>	<b>14.8235</b>

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

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	78849.4	24.7490	1.1800e-003	1.4000e-004	24.8211
<b>Total</b>		<b>24.7490</b>	<b>1.1800e-003</b>	<b>1.4000e-004</b>	<b>24.8211</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	78849.4	24.7490	1.1800e-003	1.4000e-004	24.8211
<b>Total</b>		<b>24.7490</b>	<b>1.1800e-003</b>	<b>1.4000e-004</b>	<b>24.8211</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0738	1.1900e-003	0.1030	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.1685	0.1685	1.6000e-004	0.0000	0.1725
Unmitigated	0.1065	3.7800e-003	0.1666	1.7000e-004		0.0101	0.0101		0.0101	0.0101	1.0622	2.2096	3.2718	3.3300e-003	7.0000e-005	3.3765

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0328	2.5900e-003	0.0636	1.6000e-004		9.5500e-003	9.5500e-003		9.5500e-003	9.5500e-003	1.0622	2.0412	3.1034	3.1700e-003	7.0000e-005	3.2040
Landscaping	3.0900e-003	1.1900e-003	0.1030	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.1685	0.1685	1.6000e-004	0.0000	0.1725
<b>Total</b>	<b>0.1065</b>	<b>3.7800e-003</b>	<b>0.1666</b>	<b>1.7000e-004</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>1.0622</b>	<b>2.2096</b>	<b>3.2718</b>	<b>3.3300e-003</b>	<b>7.0000e-005</b>	<b>3.3765</b>

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

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0900e-003	1.1900e-003	0.1030	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.1685	0.1685	1.6000e-004	0.0000	0.1725
<b>Total</b>	<b>0.0738</b>	<b>1.1900e-003</b>	<b>0.1030</b>	<b>1.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>0.1685</b>	<b>0.1685</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.1725</b>

**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, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.7280	0.0172	4.2000e-004	4.2825
Unmitigated	4.3019	0.0214	5.2000e-004	4.9940

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.65154 / 0.410754	4.3019	0.0214	5.2000e-004	4.9940
<b>Total</b>		<b>4.3019</b>	<b>0.0214</b>	<b>5.2000e-004</b>	<b>4.9940</b>

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

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.521232 / 0.410754	3.7280	0.0172	4.2000e-004	4.2825
<b>Total</b>		<b>3.7280</b>	<b>0.0172</b>	<b>4.2000e-004</b>	<b>4.2825</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.4136	0.1426	0.0000	5.9795
Unmitigated	2.4136	0.1426	0.0000	5.9795

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

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

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	11.89	2.4136	0.1426	0.0000	5.9795
<b>Total</b>		<b>2.4136</b>	<b>0.1426</b>	<b>0.0000</b>	<b>5.9795</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	11.89	2.4136	0.1426	0.0000	5.9795
<b>Total</b>		<b>2.4136</b>	<b>0.1426</b>	<b>0.0000</b>	<b>5.9795</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Future Street Single Family Cumulative - Los Angeles-South Coast County, Annual

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

**10.0 Stationary Equipment**

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**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**

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