

## **APPENDIX A – CALEEMOD WORKSHEETS**

**APPENDIX A-1:**  
**CALEEMOD WORKSHEETS FOR 3152 AND 3164 FUTURE STREET**

Future Street Single Family - 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  
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	2.00	Dwelling Unit	0.65	3,600.00	6

**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>	2024
<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.

Off-road Equipment - Construction equipment estimated based on observations made of similar development.

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Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Future Street Single Family - 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**

Off-road Equipment - Construction equipment estimated based on observations made of similar development.

Off-road Equipment - Construction equipment estimated based on observations made of similar development.

Off-road Equipment -

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	5.00	22.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	21.00
tblConstructionPhase	NumDays	100.00	23.00
tblConstructionPhase	NumDays	1.00	22.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	100.00	23.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	PhaseEndDate	6/22/2022	12/31/2022
tblConstructionPhase	PhaseEndDate	6/8/2022	10/31/2022
tblConstructionPhase	PhaseEndDate	1/19/2022	2/28/2022
tblConstructionPhase	PhaseEndDate	6/15/2022	11/30/2022
tblConstructionPhase	PhaseEndDate	1/17/2022	1/31/2022
tblConstructionPhase	PhaseStartDate	6/16/2022	12/1/2022

Future Street Single Family - 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**

tblConstructionPhase	PhaseStartDate	1/20/2022	4/1/2022
tblConstructionPhase	PhaseStartDate	1/18/2022	2/1/2022
tblConstructionPhase	PhaseStartDate	6/9/2022	11/1/2022
tblConstructionPhase	PhaseStartDate	1/15/2022	1/1/2022
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws

Future Street Single Family - 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**

tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00

**2.0 Emissions Summary**

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Future Street Single Family - 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	1.2285	8.0960	10.7306	0.0197	0.0894	0.4250	0.4362	0.0237	0.4030	0.4060	0.0000	1,902.4865	1,902.4865	0.6122	2.0000e-003	1,917.8671
2023	1.2643	7.3044	10.1047	0.0197	0.0894	0.3311	0.3423	0.0237	0.3149	0.3179	0.0000	1,903.7214	1,903.7214	0.6127	1.8500e-003	1,919.1082
<b>Maximum</b>	<b>1.2643</b>	<b>8.0960</b>	<b>10.7306</b>	<b>0.0197</b>	<b>0.0894</b>	<b>0.4250</b>	<b>0.4362</b>	<b>0.0237</b>	<b>0.4030</b>	<b>0.4060</b>	<b>0.0000</b>	<b>1,903.7214</b>	<b>1,903.7214</b>	<b>0.6127</b>	<b>2.0000e-003</b>	<b>1,919.1082</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.2285	8.0960	10.7306	0.0197	0.0894	0.4250	0.4362	0.0237	0.4030	0.4060	0.0000	1,902.4865	1,902.4865	0.6122	2.0000e-003	1,917.8671
2023	1.2643	7.3044	10.1047	0.0197	0.0894	0.3311	0.3423	0.0237	0.3149	0.3179	0.0000	1,903.7214	1,903.7214	0.6127	1.8500e-003	1,919.1082
<b>Maximum</b>	<b>1.2643</b>	<b>8.0960</b>	<b>10.7306</b>	<b>0.0197</b>	<b>0.0894</b>	<b>0.4250</b>	<b>0.4362</b>	<b>0.0237</b>	<b>0.4030</b>	<b>0.4060</b>	<b>0.0000</b>	<b>1,903.7214</b>	<b>1,903.7214</b>	<b>0.6127</b>	<b>2.0000e-003</b>	<b>1,919.1082</b>





Future Street Single Family - 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	0.6065	0.0434	1.1820	2.6000e-003		0.1537	0.1537		0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.8137
Energy	1.6300e-003	0.0139	5.9300e-003	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		17.8011	17.8011	3.4000e-004	3.3000e-004	17.9069
Mobile	0.0576	0.0585	0.5883	1.3100e-003	0.1373	9.3000e-004	0.1382	0.0366	8.6000e-004	0.0374		133.8954	133.8954	8.6900e-003	5.3500e-003	135.7064
<b>Total</b>	<b>0.6657</b>	<b>0.1158</b>	<b>1.7762</b>	<b>4.0000e-003</b>	<b>0.1373</b>	<b>0.1558</b>	<b>0.2930</b>	<b>0.0366</b>	<b>0.1557</b>	<b>0.1923</b>	<b>18.7338</b>	<b>187.9936</b>	<b>206.7274</b>	<b>0.0652</b>	<b>6.9500e-003</b>	<b>210.4270</b>

**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	0.0824	1.9000e-003	0.1649	1.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	0.2971	0.2971	2.9000e-004	0.0000	0.3042
Energy	1.6300e-003	0.0139	5.9300e-003	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		17.8011	17.8011	3.4000e-004	3.3000e-004	17.9069
Mobile	0.0576	0.0585	0.5883	1.3100e-003	0.1373	9.3000e-004	0.1382	0.0366	8.6000e-004	0.0374		133.8954	133.8954	8.6900e-003	5.3500e-003	135.7064
<b>Total</b>	<b>0.1416</b>	<b>0.0743</b>	<b>0.7591</b>	<b>1.4100e-003</b>	<b>0.1373</b>	<b>2.9700e-003</b>	<b>0.1402</b>	<b>0.0366</b>	<b>2.9000e-003</b>	<b>0.0395</b>	<b>0.0000</b>	<b>151.9936</b>	<b>151.9936</b>	<b>9.3200e-003</b>	<b>5.6800e-003</b>	<b>153.9176</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	78.73	35.83	57.26	64.75	0.00	98.09	52.14	0.00	98.14	79.47	100.00	19.15	26.48	85.70	18.27	26.85

**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 (3152 Future St)	Site Preparation	1/1/2022	1/31/2022	5	21	
2	Grading (3152 Future St)	Grading	2/1/2022	2/28/2022	5	20	
3	Building Construction (3152 Future St)	Building Construction	4/1/2022	10/31/2022	5	152	
4	Paving (3152 Future St)	Paving	11/1/2022	11/30/2022	5	22	
5	Architectural Coating (3152 Future St)	Architectural Coating	12/1/2022	12/31/2022	5	22	
6	Shoring/Piling (3152 Future St)	Building Construction	3/1/2022	3/31/2022	5	23	
7	Site Preparation (3164 Future St)	Site Preparation	1/1/2023	1/31/2023	5	22	
8	Grading (3164 Future St)	Grading	2/1/2023	2/28/2023	5	20	
9	Shoring/Piling (3164 Future St)	Building Construction	3/1/2023	3/31/2023	5	23	
10	Building Construction (3164 Future St)	Building Construction	4/1/2023	10/31/2023	5	152	
11	Paving (3164 Future St)	Paving	11/1/2023	11/30/2023	5	22	
12	Architectural Coatings (3164 Future St)	Architectural Coating	12/1/2023	12/31/2023	5	21	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 7,290; Residential Outdoor: 2,430; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Future Street Single Family - 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**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating (3152 Future St)	Air Compressors	1	6.00	78	0.48
Paving (3152 Future St)	Cement and Mortar Mixers	1	6.00	9	0.56
Architectural Coatings (3164 Future St)	Air Compressors	1	6.00	78	0.48
Paving (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Shoring/Piling (3152 Future St)	Bore/Drill Rigs	1	6.00	221	0.50
Building Construction (3152 Future St)	Aerial Lifts	1	8.00	63	0.31
Grading (3152 Future St)	Excavators	1	8.00	158	0.38
Shoring/Piling (3152 Future St)	Excavators	1	8.00	158	0.38
Paving (3152 Future St)	Rollers	1	7.00	80	0.38
Paving (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3152 Future St)	Forklifts	2	8.00	89	0.20
Shoring/Piling (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3164 Future St)	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction (3152 Future St)	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation (3164 Future St)	Excavators	1	8.00	158	0.38
Grading (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Shoring/Piling (3152 Future St)	Cranes	1	4.00	231	0.29
Shoring/Piling (3164 Future St)	Cranes	1	4.00	231	0.29
Building Construction (3164 Future St)	Forklifts	2	6.00	89	0.20
Shoring/Piling (3152 Future St)	Forklifts	2	6.00	89	0.20
Shoring/Piling (3164 Future St)	Forklifts	2	6.00	89	0.20
Shoring/Piling (3164 Future St)	Bore/Drill Rigs	1	6.00	221	0.50
Grading (3164 Future St)	Excavators	1	8.00	158	0.38
Paving (3164 Future St)	Cement and Mortar Mixers	1	6.00	9	0.56
Shoring/Piling (3164 Future St)	Excavators	1	8.00	158	0.38
Building Construction (3164 Future St)	Aerial Lifts	1	8.00	63	0.31
Site Preparation (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Paving (3164 Future St)	Rollers	1	7.00	80	0.38

Future Street Single Family - 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**

Shoring/Piling (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Grading (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Site Preparation (3152 Future St)	Excavators	1	8.00	158	0.38
Site Preparation (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3152 Future St)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3164 Future St)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**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
Shoring/Piling (3152 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (3152 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (3152 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (3152 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving (3152 Future St)	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (3152 Future St)	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (3164 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (3164 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Shoring/Piling (3164 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (3164 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving (3164 Future St)	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings (3164 Future St)	1	0.00	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

Future Street Single Family - 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**

**3.2 Site Preparation (3152 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2720	2.7056	4.6423	7.2400e-003		0.1204	0.1204		0.1108	0.1108		700.4065	700.4065	0.2265		706.0697
<b>Total</b>	<b>0.2720</b>	<b>2.7056</b>	<b>4.6423</b>	<b>7.2400e-003</b>	<b>0.0000</b>	<b>0.1204</b>	<b>0.1204</b>	<b>0.0000</b>	<b>0.1108</b>	<b>0.1108</b>		<b>700.4065</b>	<b>700.4065</b>	<b>0.2265</b>		<b>706.0697</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0173	0.0126	0.1968	5.1000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		51.6721	51.6721	1.4100e-003	1.2500e-003	52.0801
<b>Total</b>	<b>0.0173</b>	<b>0.0126</b>	<b>0.1968</b>	<b>5.1000e-004</b>	<b>0.0559</b>	<b>3.6000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.3000e-004</b>	<b>0.0152</b>		<b>51.6721</b>	<b>51.6721</b>	<b>1.4100e-003</b>	<b>1.2500e-003</b>	<b>52.0801</b>

Future Street Single Family - 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**

**3.2 Site Preparation (3152 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2720	2.7056	4.6423	7.2400e-003		0.1204	0.1204		0.1108	0.1108	0.0000	700.4065	700.4065	0.2265		706.0697
<b>Total</b>	<b>0.2720</b>	<b>2.7056</b>	<b>4.6423</b>	<b>7.2400e-003</b>	<b>0.0000</b>	<b>0.1204</b>	<b>0.1204</b>	<b>0.0000</b>	<b>0.1108</b>	<b>0.1108</b>	<b>0.0000</b>	<b>700.4065</b>	<b>700.4065</b>	<b>0.2265</b>		<b>706.0697</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0173	0.0126	0.1968	5.1000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		51.6721	51.6721	1.4100e-003	1.2500e-003	52.0801
<b>Total</b>	<b>0.0173</b>	<b>0.0126</b>	<b>0.1968</b>	<b>5.1000e-004</b>	<b>0.0559</b>	<b>3.6000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.3000e-004</b>	<b>0.0152</b>		<b>51.6721</b>	<b>51.6721</b>	<b>1.4100e-003</b>	<b>1.2500e-003</b>	<b>52.0801</b>

Future Street Single Family - 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**

**3.3 Grading (3152 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2720	2.7056	4.6423	7.2400e-003		0.1204	0.1204		0.1108	0.1108		700.4065	700.4065	0.2265		706.0697
<b>Total</b>	<b>0.2720</b>	<b>2.7056</b>	<b>4.6423</b>	<b>7.2400e-003</b>	<b>0.0000</b>	<b>0.1204</b>	<b>0.1204</b>	<b>0.0000</b>	<b>0.1108</b>	<b>0.1108</b>		<b>700.4065</b>	<b>700.4065</b>	<b>0.2265</b>		<b>706.0697</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0173	0.0126	0.1968	5.1000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		51.6721	51.6721	1.4100e-003	1.2500e-003	52.0801
<b>Total</b>	<b>0.0173</b>	<b>0.0126</b>	<b>0.1968</b>	<b>5.1000e-004</b>	<b>0.0559</b>	<b>3.6000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.3000e-004</b>	<b>0.0152</b>		<b>51.6721</b>	<b>51.6721</b>	<b>1.4100e-003</b>	<b>1.2500e-003</b>	<b>52.0801</b>

Future Street Single Family - 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**

**3.3 Grading (3152 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2720	2.7056	4.6423	7.2400e-003		0.1204	0.1204		0.1108	0.1108	0.0000	700.4065	700.4065	0.2265		706.0697
<b>Total</b>	<b>0.2720</b>	<b>2.7056</b>	<b>4.6423</b>	<b>7.2400e-003</b>	<b>0.0000</b>	<b>0.1204</b>	<b>0.1204</b>	<b>0.0000</b>	<b>0.1108</b>	<b>0.1108</b>	<b>0.0000</b>	<b>700.4065</b>	<b>700.4065</b>	<b>0.2265</b>		<b>706.0697</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0173	0.0126	0.1968	5.1000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		51.6721	51.6721	1.4100e-003	1.2500e-003	52.0801
<b>Total</b>	<b>0.0173</b>	<b>0.0126</b>	<b>0.1968</b>	<b>5.1000e-004</b>	<b>0.0559</b>	<b>3.6000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.3000e-004</b>	<b>0.0152</b>		<b>51.6721</b>	<b>51.6721</b>	<b>1.4100e-003</b>	<b>1.2500e-003</b>	<b>52.0801</b>



Future Street Single Family - 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 (3152 Future St) - 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	0.8553	8.0755	10.6913	0.0162		0.4250	0.4250		0.4030	0.4030		1,552.9764	1,552.9764	0.3429		1,561.5492
<b>Total</b>	<b>0.8553</b>	<b>8.0755</b>	<b>10.6913</b>	<b>0.0162</b>		<b>0.4250</b>	<b>0.4250</b>		<b>0.4030</b>	<b>0.4030</b>		<b>1,552.9764</b>	<b>1,552.9764</b>	<b>0.3429</b>		<b>1,561.5492</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4600e-003	2.5300e-003	0.0394	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.3344	10.3344	2.8000e-004	2.5000e-004	10.4160
<b>Total</b>	<b>3.4600e-003</b>	<b>2.5300e-003</b>	<b>0.0394</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0113</b>	<b>2.9600e-003</b>	<b>7.0000e-005</b>	<b>3.0300e-003</b>		<b>10.3344</b>	<b>10.3344</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>10.4160</b>

Future Street Single Family - 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 (3152 Future St) - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8553	8.0755	10.6913	0.0162		0.4250	0.4250		0.4030	0.4030	0.0000	1,552.976 4	1,552.976 4	0.3429		1,561.549 2
<b>Total</b>	<b>0.8553</b>	<b>8.0755</b>	<b>10.6913</b>	<b>0.0162</b>		<b>0.4250</b>	<b>0.4250</b>		<b>0.4030</b>	<b>0.4030</b>	<b>0.0000</b>	<b>1,552.976 4</b>	<b>1,552.976 4</b>	<b>0.3429</b>		<b>1,561.549 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4600e-003	2.5300e-003	0.0394	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.3344	10.3344	2.8000e-004	2.5000e-004	10.4160
<b>Total</b>	<b>3.4600e-003</b>	<b>2.5300e-003</b>	<b>0.0394</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0113</b>	<b>2.9600e-003</b>	<b>7.0000e-005</b>	<b>3.0300e-003</b>		<b>10.3344</b>	<b>10.3344</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>10.4160</b>

Future Street Single Family - 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 (3152 Future St) - 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	0.2592	2.7149	3.2463	4.9000e-003		0.1323	0.1323		0.1226	0.1226		460.6193	460.6193	0.1407		464.1357
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2592</b>	<b>2.7149</b>	<b>3.2463</b>	<b>4.9000e-003</b>		<b>0.1323</b>	<b>0.1323</b>		<b>0.1226</b>	<b>0.1226</b>		<b>460.6193</b>	<b>460.6193</b>	<b>0.1407</b>		<b>464.1357</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0202	0.3149	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		82.6754	82.6754	2.2500e-003	2.0000e-003	83.3282
<b>Total</b>	<b>0.0277</b>	<b>0.0202</b>	<b>0.3149</b>	<b>8.2000e-004</b>	<b>0.0894</b>	<b>5.7000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>5.3000e-004</b>	<b>0.0242</b>		<b>82.6754</b>	<b>82.6754</b>	<b>2.2500e-003</b>	<b>2.0000e-003</b>	<b>83.3282</b>

Future Street Single Family - 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 (3152 Future St) - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2592	2.7149	3.2463	4.9000e-003		0.1323	0.1323		0.1226	0.1226	0.0000	460.6193	460.6193	0.1407		464.1357
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2592</b>	<b>2.7149</b>	<b>3.2463</b>	<b>4.9000e-003</b>		<b>0.1323</b>	<b>0.1323</b>		<b>0.1226</b>	<b>0.1226</b>	<b>0.0000</b>	<b>460.6193</b>	<b>460.6193</b>	<b>0.1407</b>		<b>464.1357</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0202	0.3149	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		82.6754	82.6754	2.2500e-003	2.0000e-003	83.3282
<b>Total</b>	<b>0.0277</b>	<b>0.0202</b>	<b>0.3149</b>	<b>8.2000e-004</b>	<b>0.0894</b>	<b>5.7000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>5.3000e-004</b>	<b>0.0242</b>		<b>82.6754</b>	<b>82.6754</b>	<b>2.2500e-003</b>	<b>2.0000e-003</b>	<b>83.3282</b>

Future Street Single Family - 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 (3152 Future St) - 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					
Archit. Coating	1.0239					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.2285</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Future Street Single Family - 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 (3152 Future St) - 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					
Archit. Coating	1.0239					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.2285</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Future Street Single Family - 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**

**3.7 Shoring/Piling (3152 Future St) - 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	0.7986	8.0935	8.8683	0.0196		0.3672	0.3672		0.3379	0.3379		1,892.152 1	1,892.152 1	0.6120		1,907.451 1
<b>Total</b>	<b>0.7986</b>	<b>8.0935</b>	<b>8.8683</b>	<b>0.0196</b>		<b>0.3672</b>	<b>0.3672</b>		<b>0.3379</b>	<b>0.3379</b>		<b>1,892.152 1</b>	<b>1,892.152 1</b>	<b>0.6120</b>		<b>1,907.451 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4600e-003	2.5300e-003	0.0394	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.3344	10.3344	2.8000e-004	2.5000e-004	10.4160
<b>Total</b>	<b>3.4600e-003</b>	<b>2.5300e-003</b>	<b>0.0394</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0113</b>	<b>2.9600e-003</b>	<b>7.0000e-005</b>	<b>3.0300e-003</b>		<b>10.3344</b>	<b>10.3344</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>10.4160</b>

Future Street Single Family - 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**

**3.7 Shoring/Piling (3152 Future St) - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7986	8.0935	8.8683	0.0196		0.3672	0.3672		0.3379	0.3379	0.0000	1,892.152 1	1,892.152 1	0.6120		1,907.451 1
<b>Total</b>	<b>0.7986</b>	<b>8.0935</b>	<b>8.8683</b>	<b>0.0196</b>		<b>0.3672</b>	<b>0.3672</b>		<b>0.3379</b>	<b>0.3379</b>	<b>0.0000</b>	<b>1,892.152 1</b>	<b>1,892.152 1</b>	<b>0.6120</b>		<b>1,907.451 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4600e-003	2.5300e-003	0.0394	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.3344	10.3344	2.8000e-004	2.5000e-004	10.4160
<b>Total</b>	<b>3.4600e-003</b>	<b>2.5300e-003</b>	<b>0.0394</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0113</b>	<b>2.9600e-003</b>	<b>7.0000e-005</b>	<b>3.0300e-003</b>		<b>10.3344</b>	<b>10.3344</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>10.4160</b>



Future Street Single Family - 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**

**3.8 Site Preparation (3164 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2544	2.4176	4.6538	7.2600e-003		0.1053	0.1053		0.0969	0.0969		702.2796	702.2796	0.2271		707.9579
<b>Total</b>	<b>0.2544</b>	<b>2.4176</b>	<b>4.6538</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>0.1053</b>	<b>0.1053</b>	<b>0.0000</b>	<b>0.0969</b>	<b>0.0969</b>		<b>702.2796</b>	<b>702.2796</b>	<b>0.2271</b>		<b>707.9579</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0112	0.1807	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.0038	50.0038	1.2600e-003	1.1500e-003	50.3792
<b>Total</b>	<b>0.0160</b>	<b>0.0112</b>	<b>0.1807</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>3.4000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>3.1000e-004</b>	<b>0.0151</b>		<b>50.0038</b>	<b>50.0038</b>	<b>1.2600e-003</b>	<b>1.1500e-003</b>	<b>50.3792</b>

Future Street Single Family - 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**

**3.8 Site Preparation (3164 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2544	2.4176	4.6538	7.2600e-003		0.1053	0.1053		0.0969	0.0969	0.0000	702.2796	702.2796	0.2271		707.9579
<b>Total</b>	<b>0.2544</b>	<b>2.4176</b>	<b>4.6538</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>0.1053</b>	<b>0.1053</b>	<b>0.0000</b>	<b>0.0969</b>	<b>0.0969</b>	<b>0.0000</b>	<b>702.2796</b>	<b>702.2796</b>	<b>0.2271</b>		<b>707.9579</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0112	0.1807	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.0038	50.0038	1.2600e-003	1.1500e-003	50.3792
<b>Total</b>	<b>0.0160</b>	<b>0.0112</b>	<b>0.1807</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>3.4000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>3.1000e-004</b>	<b>0.0151</b>		<b>50.0038</b>	<b>50.0038</b>	<b>1.2600e-003</b>	<b>1.1500e-003</b>	<b>50.3792</b>

Future Street Single Family - 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**

**3.9 Grading (3164 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2544	2.4176	4.6538	7.2600e-003		0.1053	0.1053		0.0969	0.0969		702.2796	702.2796	0.2271		707.9579
<b>Total</b>	<b>0.2544</b>	<b>2.4176</b>	<b>4.6538</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>0.1053</b>	<b>0.1053</b>	<b>0.0000</b>	<b>0.0969</b>	<b>0.0969</b>		<b>702.2796</b>	<b>702.2796</b>	<b>0.2271</b>		<b>707.9579</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0112	0.1807	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.0038	50.0038	1.2600e-003	1.1500e-003	50.3792
<b>Total</b>	<b>0.0160</b>	<b>0.0112</b>	<b>0.1807</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>3.4000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>3.1000e-004</b>	<b>0.0151</b>		<b>50.0038</b>	<b>50.0038</b>	<b>1.2600e-003</b>	<b>1.1500e-003</b>	<b>50.3792</b>

Future Street Single Family - 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**

**3.9 Grading (3164 Future St) - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2544	2.4176	4.6538	7.2600e-003		0.1053	0.1053		0.0969	0.0969	0.0000	702.2796	702.2796	0.2271		707.9579
<b>Total</b>	<b>0.2544</b>	<b>2.4176</b>	<b>4.6538</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>0.1053</b>	<b>0.1053</b>	<b>0.0000</b>	<b>0.0969</b>	<b>0.0969</b>	<b>0.0000</b>	<b>702.2796</b>	<b>702.2796</b>	<b>0.2271</b>		<b>707.9579</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0112	0.1807	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.0038	50.0038	1.2600e-003	1.1500e-003	50.3792
<b>Total</b>	<b>0.0160</b>	<b>0.0112</b>	<b>0.1807</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>3.4000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>3.1000e-004</b>	<b>0.0151</b>		<b>50.0038</b>	<b>50.0038</b>	<b>1.2600e-003</b>	<b>1.1500e-003</b>	<b>50.3792</b>

Future Street Single Family - 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**

**3.10 Shoring/Piling (3164 Future St) - 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	0.7461	7.3021	8.8205	0.0196		0.3237	0.3237		0.2978	0.2978		1,893.7207	1,893.7207	0.6125		1,909.0324
<b>Total</b>	<b>0.7461</b>	<b>7.3021</b>	<b>8.8205</b>	<b>0.0196</b>		<b>0.3237</b>	<b>0.3237</b>		<b>0.2978</b>	<b>0.2978</b>		<b>1,893.7207</b>	<b>1,893.7207</b>	<b>0.6125</b>		<b>1,909.0324</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.2300e-003	0.0361	1.0000e-004	0.0112	7.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0300e-003		10.0008	10.0008	2.5000e-004	2.3000e-004	10.0758
<b>Total</b>	<b>3.2000e-003</b>	<b>2.2300e-003</b>	<b>0.0361</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0300e-003</b>		<b>10.0008</b>	<b>10.0008</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>10.0758</b>

Future Street Single Family - 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**

**3.10 Shoring/Piling (3164 Future St) - 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	0.7461	7.3021	8.8205	0.0196		0.3237	0.3237		0.2978	0.2978	0.0000	1,893.7207	1,893.7207	0.6125		1,909.0324
<b>Total</b>	<b>0.7461</b>	<b>7.3021</b>	<b>8.8205</b>	<b>0.0196</b>		<b>0.3237</b>	<b>0.3237</b>		<b>0.2978</b>	<b>0.2978</b>	<b>0.0000</b>	<b>1,893.7207</b>	<b>1,893.7207</b>	<b>0.6125</b>		<b>1,909.0324</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.2300e-003	0.0361	1.0000e-004	0.0112	7.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0300e-003		10.0008	10.0008	2.5000e-004	2.3000e-004	10.0758
<b>Total</b>	<b>3.2000e-003</b>	<b>2.2300e-003</b>	<b>0.0361</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0300e-003</b>		<b>10.0008</b>	<b>10.0008</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>10.0758</b>

Future Street Single Family - 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**

**3.11 Building Construction (3164 Future St) - 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	0.7377	6.9476	10.0686	0.0154		0.3311	0.3311		0.3149	0.3149		1,477.359 1	1,477.359 1	0.3153		1,485.242 3
<b>Total</b>	<b>0.7377</b>	<b>6.9476</b>	<b>10.0686</b>	<b>0.0154</b>		<b>0.3311</b>	<b>0.3311</b>		<b>0.3149</b>	<b>0.3149</b>		<b>1,477.359 1</b>	<b>1,477.359 1</b>	<b>0.3153</b>		<b>1,485.242 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.2300e-003	0.0361	1.0000e-004	0.0112	7.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0300e-003		10.0008	10.0008	2.5000e-004	2.3000e-004	10.0758
<b>Total</b>	<b>3.2000e-003</b>	<b>2.2300e-003</b>	<b>0.0361</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0300e-003</b>		<b>10.0008</b>	<b>10.0008</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>10.0758</b>

Future Street Single Family - 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**

**3.11 Building Construction (3164 Future St) - 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	0.7377	6.9476	10.0686	0.0154		0.3311	0.3311		0.3149	0.3149	0.0000	1,477.359 1	1,477.359 1	0.3153		1,485.242 3
<b>Total</b>	<b>0.7377</b>	<b>6.9476</b>	<b>10.0686</b>	<b>0.0154</b>		<b>0.3311</b>	<b>0.3311</b>		<b>0.3149</b>	<b>0.3149</b>	<b>0.0000</b>	<b>1,477.359 1</b>	<b>1,477.359 1</b>	<b>0.3153</b>		<b>1,485.242 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.2300e-003	0.0361	1.0000e-004	0.0112	7.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0300e-003		10.0008	10.0008	2.5000e-004	2.3000e-004	10.0758
<b>Total</b>	<b>3.2000e-003</b>	<b>2.2300e-003</b>	<b>0.0361</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0300e-003</b>		<b>10.0008</b>	<b>10.0008</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>10.0758</b>



Future Street Single Family - 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**

**3.12 Paving (3164 Future St) - 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	0.2434	2.5462	3.2318	4.8900e-003		0.1174	0.1174		0.1089	0.1089		459.9049	459.9049	0.1404		463.4155
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2434</b>	<b>2.5462</b>	<b>3.2318</b>	<b>4.8900e-003</b>		<b>0.1174</b>	<b>0.1174</b>		<b>0.1089</b>	<b>0.1089</b>		<b>459.9049</b>	<b>459.9049</b>	<b>0.1404</b>		<b>463.4155</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0179	0.2891	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		80.0060	80.0060	2.0200e-003	1.8500e-003	80.6067
<b>Total</b>	<b>0.0256</b>	<b>0.0179</b>	<b>0.2891</b>	<b>7.9000e-004</b>	<b>0.0894</b>	<b>5.4000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>5.0000e-004</b>	<b>0.0242</b>		<b>80.0060</b>	<b>80.0060</b>	<b>2.0200e-003</b>	<b>1.8500e-003</b>	<b>80.6067</b>

Future Street Single Family - 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**

**3.12 Paving (3164 Future St) - 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	0.2434	2.5462	3.2318	4.8900e-003		0.1174	0.1174		0.1089	0.1089	0.0000	459.9049	459.9049	0.1404		463.4155
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2434</b>	<b>2.5462</b>	<b>3.2318</b>	<b>4.8900e-003</b>		<b>0.1174</b>	<b>0.1174</b>		<b>0.1089</b>	<b>0.1089</b>	<b>0.0000</b>	<b>459.9049</b>	<b>459.9049</b>	<b>0.1404</b>		<b>463.4155</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0179	0.2891	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		80.0060	80.0060	2.0200e-003	1.8500e-003	80.6067
<b>Total</b>	<b>0.0256</b>	<b>0.0179</b>	<b>0.2891</b>	<b>7.9000e-004</b>	<b>0.0894</b>	<b>5.4000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>5.0000e-004</b>	<b>0.0242</b>		<b>80.0060</b>	<b>80.0060</b>	<b>2.0200e-003</b>	<b>1.8500e-003</b>	<b>80.6067</b>

Future Street Single Family - 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**

**3.13 Architectural Coatings (3164 Future St) - 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					
Archit. Coating	1.0727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.2643</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Future Street Single Family - 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**

**3.13 Architectural Coatings (3164 Future St) - 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					
Archit. Coating	1.0727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.2643</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Future Street Single Family - 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	0.0576	0.0585	0.5883	1.3100e-003	0.1373	9.3000e-004	0.1382	0.0366	8.6000e-004	0.0374		133.8954	133.8954	8.6900e-003	5.3500e-003	135.7064
Unmitigated	0.0576	0.0585	0.5883	1.3100e-003	0.1373	9.3000e-004	0.1382	0.0366	8.6000e-004	0.0374		133.8954	133.8954	8.6900e-003	5.3500e-003	135.7064

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	18.88	19.08	17.10	63,745	63,745
Total	18.88	19.08	17.10	63,745	63,745

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	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

Future Street Single Family - 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**

Exceed Title 24

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	1.6300e-003	0.0139	5.9300e-003	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		17.8011	17.8011	3.4000e-004	3.3000e-004	17.9069
NaturalGas Unmitigated	1.6300e-003	0.0139	5.9300e-003	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		17.8011	17.8011	3.4000e-004	3.3000e-004	17.9069

Future Street Single Family - 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	151.31	1.6300e-003	0.0139	5.9300e-003	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		17.8011	17.8011	3.4000e-004	3.3000e-004	17.9069
<b>Total</b>		<b>1.6300e-003</b>	<b>0.0139</b>	<b>5.9300e-003</b>	<b>9.0000e-005</b>		<b>1.1300e-003</b>	<b>1.1300e-003</b>		<b>1.1300e-003</b>	<b>1.1300e-003</b>		<b>17.8011</b>	<b>17.8011</b>	<b>3.4000e-004</b>	<b>3.3000e-004</b>	<b>17.9069</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	lb/day											lb/day				
Single Family Housing	0.15131	1.6300e-003	0.0139	5.9300e-003	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		17.8011	17.8011	3.4000e-004	3.3000e-004	17.9069
<b>Total</b>		<b>1.6300e-003</b>	<b>0.0139</b>	<b>5.9300e-003</b>	<b>9.0000e-005</b>		<b>1.1300e-003</b>	<b>1.1300e-003</b>		<b>1.1300e-003</b>	<b>1.1300e-003</b>		<b>17.8011</b>	<b>17.8011</b>	<b>3.4000e-004</b>	<b>3.3000e-004</b>	<b>17.9069</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Future Street Single Family - 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	0.0824	1.9000e-003	0.1649	1.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	0.2971	0.2971	2.9000e-004	0.0000	0.3042
Unmitigated	0.6065	0.0434	1.1820	2.6000e-003		0.1537	0.1537		0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.8137

**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	6.1700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0713					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5241	0.0415	1.0171	2.5900e-003		0.1528	0.1528		0.1528	0.1528	18.7338	36.0000	54.7338	0.0559	1.2700e-003	56.5095
Landscaping	4.9600e-003	1.9000e-003	0.1649	1.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		0.2971	0.2971	2.9000e-004		0.3042
<b>Total</b>	<b>0.6065</b>	<b>0.0434</b>	<b>1.1820</b>	<b>2.6000e-003</b>		<b>0.1537</b>	<b>0.1537</b>		<b>0.1537</b>	<b>0.1537</b>	<b>18.7338</b>	<b>36.2971</b>	<b>55.0309</b>	<b>0.0562</b>	<b>1.2700e-003</b>	<b>56.8137</b>



Future Street Single Family - 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	6.1700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0713					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	4.9600e-003	1.9000e-003	0.1649	1.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		0.2971	0.2971	2.9000e-004		0.3042
<b>Total</b>	<b>0.0824</b>	<b>1.9000e-003</b>	<b>0.1649</b>	<b>1.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>0.2971</b>	<b>0.2971</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.3042</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
- Use Water Efficient Landscaping

Future Street Single Family - 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**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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