

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**Locust Avenue Development  
South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	96.86	1000sqft	2.22	96,862.00	0
Other Non-Asphalt Surfaces	29.23	1000sqft	0.67	29,227.00	0
Parking Lot	83.64	1000sqft	1.92	83,635.20	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	531.98	<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 - Per Site Plan.  
 Construction Phase - No demolition is required. Project Site is vacant.  
 Fleet Mix - Per TIA.  
 Vehicle Trips - Per TIA.  
 Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	9.1370e-003	0.28
tblFleetMix	LDA	0.54	0.60

## Locust Avenue Development - South Coast AQMD Air District, Summer

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

tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	6.0000e-003
tblFleetMix	LHD2	6.3530e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.7910e-003	0.00
tblFleetMix	MHD	0.01	0.11
tblFleetMix	OBUS	8.1200e-004	0.00
tblFleetMix	SBUS	7.5000e-004	0.00
tblFleetMix	UBUS	5.0900e-004	0.00
tblVehicleTrips	ST_TR	6.42	1.75
tblVehicleTrips	SU_TR	5.09	1.75
tblVehicleTrips	WD_TR	3.93	1.75

**2.0 Emissions Summary**

---

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2321	33.1271	20.3839	0.0423	19.8582	1.6138	21.4720	10.1558	1.4847	11.6405	0.0000	4,153.4378	4,153.4378	1.1970	0.1229	4,206.5371
2023	51.8768	15.8076	19.8168	0.0418	1.2013	0.7124	1.9138	0.3235	0.6704	0.9939	0.0000	4,092.5565	4,092.5565	0.6514	0.1164	4,143.5215
<b>Maximum</b>	<b>51.8768</b>	<b>33.1271</b>	<b>20.3839</b>	<b>0.0423</b>	<b>19.8582</b>	<b>1.6138</b>	<b>21.4720</b>	<b>10.1558</b>	<b>1.4847</b>	<b>11.6405</b>	<b>0.0000</b>	<b>4,153.4378</b>	<b>4,153.4378</b>	<b>1.1970</b>	<b>0.1229</b>	<b>4,206.5371</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	3.2321	33.1271	20.3839	0.0423	9.0469	1.6138	10.6606	4.5995	1.4847	6.0841	0.0000	4,153.4378	4,153.4378	1.1970	0.1229	4,206.5371
2023	51.8768	15.8076	19.8168	0.0418	1.2013	0.7124	1.9138	0.3235	0.6704	0.9939	0.0000	4,092.5565	4,092.5565	0.6514	0.1164	4,143.5215
<b>Maximum</b>	<b>51.8768</b>	<b>33.1271</b>	<b>20.3839</b>	<b>0.0423</b>	<b>9.0469</b>	<b>1.6138</b>	<b>10.6606</b>	<b>4.5995</b>	<b>1.4847</b>	<b>6.0841</b>	<b>0.0000</b>	<b>4,153.4378</b>	<b>4,153.4378</b>	<b>1.1970</b>	<b>0.1229</b>	<b>4,206.5371</b>

## Locust Avenue Development - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.34	0.00	46.23	53.02	0.00	43.98	0.00	0.00	0.00	0.00	0.00	0.00

Locust Avenue Development - South Coast AQMD Air District, 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	2.2144	1.9000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0459	0.0459	1.2000e-004		0.0489
Energy	0.0925	0.8411	0.7066	5.0500e-003		0.0639	0.0639		0.0639	0.0639		1,009.3629	1,009.3629	0.0194	0.0185	1,015.3611
Mobile	0.2225	4.4700	3.7866	0.0293	1.6818	0.0344	1.7162	0.4582	0.0327	0.4909		3,125.6000	3,125.6000	0.1188	0.3727	3,239.6206
<b>Total</b>	<b>2.5295</b>	<b>5.3113</b>	<b>4.5146</b>	<b>0.0343</b>	<b>1.6818</b>	<b>0.0984</b>	<b>1.7802</b>	<b>0.4582</b>	<b>0.0968</b>	<b>0.5550</b>		<b>4,135.0088</b>	<b>4,135.0088</b>	<b>0.1382</b>	<b>0.3912</b>	<b>4,255.0306</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	2.2144	1.9000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0459	0.0459	1.2000e-004		0.0489
Energy	0.0925	0.8411	0.7066	5.0500e-003		0.0639	0.0639		0.0639	0.0639		1,009.3629	1,009.3629	0.0194	0.0185	1,015.3611
Mobile	0.2225	4.4700	3.7866	0.0293	1.6818	0.0344	1.7162	0.4582	0.0327	0.4909		3,125.6000	3,125.6000	0.1188	0.3727	3,239.6206
<b>Total</b>	<b>2.5295</b>	<b>5.3113</b>	<b>4.5146</b>	<b>0.0343</b>	<b>1.6818</b>	<b>0.0984</b>	<b>1.7802</b>	<b>0.4582</b>	<b>0.0968</b>	<b>0.5550</b>		<b>4,135.0088</b>	<b>4,135.0088</b>	<b>0.1382</b>	<b>0.3912</b>	<b>4,255.0306</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/28/2022	7/4/2022	5	5	
2	Grading	Grading	7/5/2022	7/14/2022	5	8	
3	Building Construction	Building Construction	7/15/2022	6/1/2023	5	230	
4	Paving	Paving	6/2/2023	6/27/2023	5	18	
5	Architectural Coating	Architectural Coating	6/28/2023	7/21/2023	5	18	

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 2.59**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,293; Non-Residential Outdoor: 48,431; Striped Parking Area: 6,772 (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

Locust Avenue Development - South Coast AQMD Air District, Summer

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

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	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
Building Construction	9	88.00	34.00	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
Architectural Coating	1	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

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0620	0.0436	0.6861	1.8200e-003	0.2012	1.2000e-003	0.2024	0.0534	1.1000e-003	0.0545		184.0558	184.0558	4.8100e-003	4.4000e-003	185.4883
<b>Total</b>	<b>0.0620</b>	<b>0.0436</b>	<b>0.6861</b>	<b>1.8200e-003</b>	<b>0.2012</b>	<b>1.2000e-003</b>	<b>0.2024</b>	<b>0.0534</b>	<b>1.1000e-003</b>	<b>0.0545</b>		<b>184.0558</b>	<b>184.0558</b>	<b>4.8100e-003</b>	<b>4.4000e-003</b>	<b>185.4883</b>



Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.2 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.8457</b>	<b>1.6126</b>	<b>10.4582</b>	<b>4.5461</b>	<b>1.4836</b>	<b>6.0297</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0620	0.0436	0.6861	1.8200e-003	0.2012	1.2000e-003	0.2024	0.0534	1.1000e-003	0.0545		184.0558	184.0558	4.8100e-003	4.4000e-003	185.4883
<b>Total</b>	<b>0.0620</b>	<b>0.0436</b>	<b>0.6861</b>	<b>1.8200e-003</b>	<b>0.2012</b>	<b>1.2000e-003</b>	<b>0.2024</b>	<b>0.0534</b>	<b>1.1000e-003</b>	<b>0.0545</b>		<b>184.0558</b>	<b>184.0558</b>	<b>4.8100e-003</b>	<b>4.4000e-003</b>	<b>185.4883</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

**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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.9409</b>	<b>8.0234</b>	<b>3.4247</b>	<b>0.8656</b>	<b>4.2903</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	0.0516	0.0363	0.5718	1.5200e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		153.3798	153.3798	4.0100e-003	3.6700e-003	154.5736
<b>Total</b>	<b>0.0516</b>	<b>0.0363</b>	<b>0.5718</b>	<b>1.5200e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>153.3798</b>	<b>153.3798</b>	<b>4.0100e-003</b>	<b>3.6700e-003</b>	<b>154.5736</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>3.1872</b>	<b>0.9409</b>	<b>4.1280</b>	<b>1.5411</b>	<b>0.8656</b>	<b>2.4067</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	0.0516	0.0363	0.5718	1.5200e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		153.3798	153.3798	4.0100e-003	3.6700e-003	154.5736
<b>Total</b>	<b>0.0516</b>	<b>0.0363</b>	<b>0.5718</b>	<b>1.5200e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>153.3798</b>	<b>153.3798</b>	<b>4.0100e-003</b>	<b>3.6700e-003</b>	<b>154.5736</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.4 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.0620	1.5821	0.5424	6.5000e-003	0.2177	0.0165	0.2343	0.0627	0.0158	0.0785		699.2758	699.2758	0.0234	0.1014	730.0729
Worker	0.3030	0.2131	3.3543	8.9000e-003	0.9836	5.8700e-003	0.9895	0.2609	5.4000e-003	0.2663		899.8284	899.8284	0.0235	0.0215	906.8319
<b>Total</b>	<b>0.3650</b>	<b>1.7952</b>	<b>3.8967</b>	<b>0.0154</b>	<b>1.2013</b>	<b>0.0224</b>	<b>1.2238</b>	<b>0.3235</b>	<b>0.0212</b>	<b>0.3448</b>		<b>1,599.1042</b>	<b>1,599.1042</b>	<b>0.0470</b>	<b>0.1229</b>	<b>1,636.9049</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

**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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.0620	1.5821	0.5424	6.5000e-003	0.2177	0.0165	0.2343	0.0627	0.0158	0.0785		699.2758	699.2758	0.0234	0.1014	730.0729
Worker	0.3030	0.2131	3.3543	8.9000e-003	0.9836	5.8700e-003	0.9895	0.2609	5.4000e-003	0.2663		899.8284	899.8284	0.0235	0.0215	906.8319
<b>Total</b>	<b>0.3650</b>	<b>1.7952</b>	<b>3.8967</b>	<b>0.0154</b>	<b>1.2013</b>	<b>0.0224</b>	<b>1.2238</b>	<b>0.3235</b>	<b>0.0212</b>	<b>0.3448</b>		<b>1,599.1042</b>	<b>1,599.1042</b>	<b>0.0470</b>	<b>0.1229</b>	<b>1,636.9049</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0376	1.2342	0.4859	6.1900e-003	0.2177	7.1900e-003	0.2249	0.0627	6.8700e-003	0.0696		666.5051	666.5051	0.0224	0.0965	695.8190
Worker	0.2809	0.1885	3.0869	8.6200e-003	0.9836	5.5200e-003	0.9892	0.2609	5.0800e-003	0.2660		870.8415	870.8415	0.0211	0.0199	877.2965
<b>Total</b>	<b>0.3185</b>	<b>1.4227</b>	<b>3.5728</b>	<b>0.0148</b>	<b>1.2013</b>	<b>0.0127</b>	<b>1.2141</b>	<b>0.3235</b>	<b>0.0120</b>	<b>0.3355</b>		<b>1,537.3466</b>	<b>1,537.3466</b>	<b>0.0435</b>	<b>0.1164</b>	<b>1,573.1155</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0376	1.2342	0.4859	6.1900e-003	0.2177	7.1900e-003	0.2249	0.0627	6.8700e-003	0.0696		666.5051	666.5051	0.0224	0.0965	695.8190
Worker	0.2809	0.1885	3.0869	8.6200e-003	0.9836	5.5200e-003	0.9892	0.2609	5.0800e-003	0.2660		870.8415	870.8415	0.0211	0.0199	877.2965
<b>Total</b>	<b>0.3185</b>	<b>1.4227</b>	<b>3.5728</b>	<b>0.0148</b>	<b>1.2013</b>	<b>0.0127</b>	<b>1.2141</b>	<b>0.3235</b>	<b>0.0120</b>	<b>0.3355</b>		<b>1,537.3466</b>	<b>1,537.3466</b>	<b>0.0435</b>	<b>0.1164</b>	<b>1,573.1155</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.5 Paving - 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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1976</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</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	0.0639	0.0429	0.7016	1.9600e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0604		197.9185	197.9185	4.8000e-003	4.5200e-003	199.3856
<b>Total</b>	<b>0.0639</b>	<b>0.0429</b>	<b>0.7016</b>	<b>1.9600e-003</b>	<b>0.2236</b>	<b>1.2600e-003</b>	<b>0.2248</b>	<b>0.0593</b>	<b>1.1600e-003</b>	<b>0.0604</b>		<b>197.9185</b>	<b>197.9185</b>	<b>4.8000e-003</b>	<b>4.5200e-003</b>	<b>199.3856</b>



Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.5 Paving - 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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1976</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</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	0.0639	0.0429	0.7016	1.9600e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0604		197.9185	197.9185	4.8000e-003	4.5200e-003	199.3856
<b>Total</b>	<b>0.0639</b>	<b>0.0429</b>	<b>0.7016</b>	<b>1.9600e-003</b>	<b>0.2236</b>	<b>1.2600e-003</b>	<b>0.2248</b>	<b>0.0593</b>	<b>1.1600e-003</b>	<b>0.0604</b>		<b>197.9185</b>	<b>197.9185</b>	<b>4.8000e-003</b>	<b>4.5200e-003</b>	<b>199.3856</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.6 Architectural Coating - 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	51.6277					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>51.8194</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	0.0575	0.0386	0.6314	1.7600e-003	0.2012	1.1300e-003	0.2023	0.0534	1.0400e-003	0.0544		178.1267	178.1267	4.3200e-003	4.0700e-003	179.4470
<b>Total</b>	<b>0.0575</b>	<b>0.0386</b>	<b>0.6314</b>	<b>1.7600e-003</b>	<b>0.2012</b>	<b>1.1300e-003</b>	<b>0.2023</b>	<b>0.0534</b>	<b>1.0400e-003</b>	<b>0.0544</b>		<b>178.1267</b>	<b>178.1267</b>	<b>4.3200e-003</b>	<b>4.0700e-003</b>	<b>179.4470</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**3.6 Architectural Coating - 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	51.6277					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>51.8194</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	0.0575	0.0386	0.6314	1.7600e-003	0.2012	1.1300e-003	0.2023	0.0534	1.0400e-003	0.0544		178.1267	178.1267	4.3200e-003	4.0700e-003	179.4470
<b>Total</b>	<b>0.0575</b>	<b>0.0386</b>	<b>0.6314</b>	<b>1.7600e-003</b>	<b>0.2012</b>	<b>1.1300e-003</b>	<b>0.2023</b>	<b>0.0534</b>	<b>1.0400e-003</b>	<b>0.0544</b>		<b>178.1267</b>	<b>178.1267</b>	<b>4.3200e-003</b>	<b>4.0700e-003</b>	<b>179.4470</b>

Locust Avenue Development - South Coast AQMD Air District, 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	0.2225	4.4700	3.7866	0.0293	1.6818	0.0344	1.7162	0.4582	0.0327	0.4909		3,125.600 0	3,125.600 0	0.1188	0.3727	3,239.620 6
Unmitigated	0.2225	4.4700	3.7866	0.0293	1.6818	0.0344	1.7162	0.4582	0.0327	0.4909		3,125.600 0	3,125.600 0	0.1188	0.3727	3,239.620 6

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	169.41	169.41	169.41	750,202	750,202
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>169.41</b>	<b>169.41</b>	<b>169.41</b>	<b>750,202</b>	<b>750,202</b>

**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
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.604000	0.000000	0.000000	0.000000	0.006000	0.000000	0.112000	0.278000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Non-Asphalt Surfaces	0.543139	0.060749	0.184760	0.130258	0.023830	0.006353	0.011718	0.009137	0.000812	0.000509	0.024193	0.000750	0.003791
Parking Lot	0.543139	0.060749	0.184760	0.130258	0.023830	0.006353	0.011718	0.009137	0.000812	0.000509	0.024193	0.000750	0.003791

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0925	0.8411	0.7066	5.0500e-003		0.0639	0.0639		0.0639	0.0639		1,009.3629	1,009.3629	0.0194	0.0185	1,015.3611
NaturalGas Unmitigated	0.0925	0.8411	0.7066	5.0500e-003		0.0639	0.0639		0.0639	0.0639		1,009.3629	1,009.3629	0.0194	0.0185	1,015.3611

Locust Avenue Development - South Coast AQMD Air District, 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					
General Heavy Industry	8579.58	0.0925	0.8411	0.7066	5.0500e-003		0.0639	0.0639		0.0639	0.0639		1,009.3629	1,009.3629	0.0194	0.0185	1,015.3611
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0925</b>	<b>0.8411</b>	<b>0.7066</b>	<b>5.0500e-003</b>		<b>0.0639</b>	<b>0.0639</b>		<b>0.0639</b>	<b>0.0639</b>		<b>1,009.3629</b>	<b>1,009.3629</b>	<b>0.0194</b>	<b>0.0185</b>	<b>1,015.3611</b>

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	8.57958	0.0925	0.8411	0.7066	5.0500e-003		0.0639	0.0639		0.0639	0.0639		1,009.3629	1,009.3629	0.0194	0.0185	1,015.3611
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0925</b>	<b>0.8411</b>	<b>0.7066</b>	<b>5.0500e-003</b>		<b>0.0639</b>	<b>0.0639</b>		<b>0.0639</b>	<b>0.0639</b>		<b>1,009.3629</b>	<b>1,009.3629</b>	<b>0.0194</b>	<b>0.0185</b>	<b>1,015.3611</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Locust Avenue Development - South Coast AQMD Air District, 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	2.2144	1.9000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0459	0.0459	1.2000e-004		0.0489
Unmitigated	2.2144	1.9000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0459	0.0459	1.2000e-004		0.0489

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9578					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9800e-003	1.9000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0459	0.0459	1.2000e-004		0.0489
<b>Total</b>	<b>2.2144</b>	<b>1.9000e-004</b>	<b>0.0214</b>	<b>0.0000</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>0.0459</b>	<b>0.0459</b>	<b>1.2000e-004</b>		<b>0.0489</b>



Locust Avenue Development - South Coast AQMD Air District, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9578					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9800e-003	1.9000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0459	0.0459	1.2000e-004		0.0489
<b>Total</b>	<b>2.2144</b>	<b>1.9000e-004</b>	<b>0.0214</b>	<b>0.0000</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>0.0459</b>	<b>0.0459</b>	<b>1.2000e-004</b>		<b>0.0489</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Locust Avenue Development - South Coast AQMD Air District, Summer

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

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

---

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

**10.0 Stationary Equipment**

---

**Fire Pumps and Emergency Generators**

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

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---