

Southern California Flower Market Future - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,099.4207	3,099.4207	0.0732	0.0152	3,105.7640
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,099.4207	3,099.4207	0.0732	0.0152	3,105.7640
Natural Gas Mitigated	0.0373	0.3306	0.2209	2.0400e-003		0.0258	0.0258		0.0258	0.0258	0.0000	369.4500	369.4500	7.0800e-003	6.7700e-003	371.6455
Natural Gas Unmitigated	0.0373	0.3306	0.2209	2.0400e-003		0.0258	0.0258		0.0258	0.0258	0.0000	369.4500	369.4500	7.0800e-003	6.7700e-003	371.6455

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.97707e+06	0.0161	0.1372	0.0584	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.8679	158.8679	3.0400e-003	2.9100e-003	159.8120
Enclosed Parking with Elevator	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	0.0000
General Office Building	106453	5.7000e-004	5.2200e-003	4.3800e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	5.6807	5.6807	1.1000e-004	1.0000e-004	5.7145
General Office Building	670019	3.6100e-003	0.0328	0.0276	2.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	35.7548	35.7548	6.9000e-004	6.6000e-004	35.9672
High Turnover (Sit Down Restaurant)	3.0968e+006	0.0167	0.1518	0.1275	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	165.2570	165.2570	3.1700e-003	3.0300e-003	166.2390
Refrigerated Warehouse-No Rail	65698.6	3.5000e-004	3.2200e-003	2.7100e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	3.5059	3.5059	7.0000e-005	6.0000e-005	3.5268
Strip Mall	7191.4	4.0000e-005	3.5000e-004	3.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.3838	0.3838	1.0000e-005	1.0000e-005	0.3860
Total		0.0373	0.3306	0.2209	2.0400e-003		0.0258	0.0258		0.0258	0.0258	0.0000	369.4500	369.4500	7.0900e-003	6.7700e-003	371.6455

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	tons/yr						MT/yr									
Apartments Mid Rise	2.97707e+06	0.0161	0.1372	0.0584	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.8679	158.8679	3.0400e-003	3.29100e-003	159.8120
Enclosed Parking with Elevator	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	0.0000
General Office Building	106453	5.7000e-004	5.2200e-003	4.3800e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	5.6807	5.6807	1.1000e-004	1.0000e-004	5.7145
General Office Building	670019	3.6100e-003	0.0328	0.0276	2.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	35.7548	35.7548	6.9000e-004	6.6000e-004	35.9672
High Turnover (Sit Down Restaurant)	3.0968e+006	0.0167	0.1518	0.1275	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	165.2570	165.2570	3.1700e-003	3.0300e-003	166.2390
Refrigerated Warehouse-No Rail	65698.6	3.5000e-004	3.2200e-003	2.7100e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	3.5059	3.5059	7.0000e-005	6.0000e-005	3.5268
Strip Mall	7191.4	4.0000e-005	3.5000e-004	3.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.3838	0.3838	1.0000e-005	1.0000e-005	0.3860
Total		0.0373	0.3306	0.2209	2.0400e-003		0.0258	0.0258		0.0258	0.0258	0.0000	369.4500	369.4500	7.0900e-003	6.7700e-003	371.6455

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
Apartments Mid Rise	1.27911e+06	712.4128	0.0168	3.4800e-003	713.8708
Enclosed Parking with Elevator	1.59626e+06	889.0577	0.0210	4.3400e-003	890.8772
General Office Building	132836	73.9844	1.7500e-003	3.6000e-004	74.1358
General Office Building	836075	465.6618	0.0110	2.2800e-003	466.6149
High Turnover (Sit Down Restaurant)	592359	329.9211	7.7900e-003	1.6100e-003	330.5963
Refrigerated Warehouse-No Rail	1.06904e+06	595.4123	0.0141	2.9100e-003	596.6308
Strip Mall	59197.5	32.9707	7.8000e-004	1.6000e-004	33.0382
Total		3,099.4207	0.0732	0.0151	3,105.7640

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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.27911e+06	712.4128	0.0168	3.4800e-003	713.8708
Enclosed Parking with Elevator	1.59626e+06	889.0577	0.0210	4.3400e-003	890.8772
General Office Building	132836	73.9844	1.7500e-003	3.6000e-004	74.1358
General Office Building	836075	465.6618	0.0110	2.2800e-003	466.6149
High Turnover (Sit Down Restaurant)	592359	329.9211	7.7900e-003	1.6100e-003	330.5963
Refrigerated Warehouse-No Rail	1.06904e+06	595.4123	0.0141	2.9100e-003	596.6308
Strip Mall	59197.5	32.9707	7.8000e-004	1.6000e-004	33.0382
Total		3,099.4207	0.0732	0.0151	3,105.7640

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6293	0.0385	3.3403	1.8000e-004		0.0185	0.0185		0.0185	0.0185	0.0000	5.4619	5.4619	5.2700e-003	0.0000	5.5938
Unmitigated	2.6293	0.0385	3.3403	1.8000e-004		0.0185	0.0185		0.0185	0.0185	0.0000	5.4619	5.4619	5.2700e-003	0.0000	5.5938