

Technical Supporting Data

Air Quality EMFAC and Caline4 Model Runs

Title : 2000 PM 2.5
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.636	0.712	0.768	2.266	3.833	2.778	0.771

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	10.338	13.510	11.894	25.647	22.739	25.336	12.511

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	1.061	1.584	2.156	15.783	18.779	1.205	2.097

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	442.151	509.155	708.177	1511.386	2025.789	131.828	539.950

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: 30%

Speed

MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.007	0.008	0.013	0.120	0.157	0.003	0.014

Pollutant Name: PM2.5 Temperature: 71F Relative Humidity: 30%

Speed

MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.019	0.027	0.032	0.840	0.248	0.028	0.064

Pollutant Name: PM2.5 - Tire Wear Temperature: 71F Relative Humidity: 30%

Speed

MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.002	0.002	0.002	0.005	0.002	0.001	0.002

Pollutant Name: PM2.5 - Brake Wear Temperature: 71F Relative Humidity: 30%

Speed

MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.005	0.005	0.005	0.008	0.005	0.003	0.006

Pollutant Name: Gasoline - mi/gal Temperature: 71F Relative Humidity: 30%

Speed

MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	19.309	16.518	11.976	10.284	10.484	49.048	17.733

Pollutant Name: Diesel - mi/gal Temperature: 71F Relative Humidity: 30%

Speed

MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	27.201	28.679	18.288	5.755	3.387	0.000	12.639

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Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.305	0.297	0.609	2.145	0.537	1.678	0.483
10	0.469	0.460	0.879	2.487	0.947	1.689	0.670
20	0.776	0.764	1.384	3.162	1.703	1.749	1.023
30	1.052	1.038	1.842	3.823	2.375	1.863	1.345
40	1.297	1.282	2.254	4.470	2.963	2.031	1.637
50	1.513	1.495	2.619	5.104	3.467	2.251	1.899
60	1.684	1.666	2.904	5.543	3.876	2.357	2.102
120	1.965	1.930	3.232	5.900	4.283	2.387	2.386
180	2.004	1.980	3.397	6.324	4.548	2.588	2.472
240	2.121	2.095	3.598	6.741	4.805	2.793	2.621
300	2.235	2.208	3.794	7.151	5.054	2.997	2.766
360	2.345	2.317	3.985	7.553	5.295	3.200	2.907
420	2.453	2.423	4.170	7.949	5.529	3.403	3.044
480	2.557	2.526	4.351	8.338	5.754	3.606	3.178
540	2.657	2.626	4.525	8.720	5.971	3.808	3.308
600	2.755	2.722	4.695	9.095	6.180	4.010	3.435
660	2.849	2.816	4.859	9.463	6.381	4.211	3.558
720	2.940	2.906	5.018	9.824	6.574	4.412	3.677

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	2.667	2.899	6.390	24.174	7.240	6.493	4.810
10	4.127	4.587	9.539	27.178	13.320	5.918	6.620
20	6.876	7.766	15.471	33.038	24.720	4.919	10.047
30	9.399	10.681	20.918	38.701	35.102	4.123	13.215
40	11.695	13.333	25.879	44.168	44.467	3.530	16.122
50	13.765	15.720	30.354	49.438	52.816	3.139	18.770
60	15.609	17.843	34.344	54.512	60.148	2.951	21.159
120	20.495	22.996	42.056	70.680	70.953	5.880	27.282

180	20.130	22.821	43.585	79.636	73.322	8.326	27.909
240	21.093	23.879	45.757	87.879	75.726	10.561	29.597
300	22.022	24.902	47.849	95.410	78.165	12.539	31.193
360	22.917	25.891	49.862	102.227	80.639	14.259	32.695
420	23.778	26.844	51.795	108.331	83.148	15.721	34.105
480	24.605	27.763	53.648	113.723	85.692	16.926	35.422
540	25.398	28.648	55.423	118.402	88.270	17.873	36.646
600	26.157	29.498	57.117	122.367	90.884	18.562	37.777
660	26.883	30.313	58.732	125.620	93.533	18.994	38.816
720	27.574	31.094	60.268	128.160	96.216	19.168	39.761

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.321	0.424	0.833	1.396	1.630	0.242	0.489
10	0.438	0.574	1.218	1.992	2.451	0.265	0.680
20	0.643	0.839	1.895	3.042	3.892	0.308	1.017
30	0.811	1.056	2.448	3.899	5.067	0.344	1.292
40	0.941	1.224	2.875	4.564	5.975	0.375	1.505
50	1.034	1.345	3.178	5.036	6.616	0.399	1.657
60	1.090	1.417	3.356	5.317	6.991	0.418	1.748
120	1.103	1.436	3.381	5.353	7.036	0.421	1.766
180	1.102	1.435	3.370	5.324	7.010	0.412	1.761
240	1.093	1.425	3.349	5.283	6.970	0.399	1.748
300	1.082	1.411	3.320	5.228	6.916	0.383	1.731
360	1.068	1.393	3.285	5.161	6.849	0.364	1.710
420	1.051	1.372	3.242	5.080	6.767	0.342	1.684
480	1.031	1.346	3.191	4.987	6.672	0.317	1.653
540	1.008	1.318	3.134	4.881	6.563	0.289	1.618
600	0.983	1.285	3.069	4.761	6.441	0.257	1.579
660	0.954	1.249	2.998	4.629	6.305	0.223	1.536
720	0.923	1.209	2.918	4.484	6.154	0.185	1.488

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	10.532	11.748	18.491	35.546	5.886	29.503	13.770
10	15.029	16.610	26.581	41.737	9.995	32.161	18.861
20	24.017	26.367	42.644	53.898	18.138	37.327	29.019
30	32.995	36.168	58.547	65.768	26.181	42.293	39.149
40	41.964	46.013	74.293	77.345	34.123	47.058	49.250
50	50.923	55.901	89.880	88.630	41.964	51.622	59.322
60	59.873	65.833	105.309	99.622	49.705	55.986	69.364
120	102.689	114.949	175.007	148.879	83.310	76.409	117.288
180	118.549	132.718	201.772	161.433	97.560	77.042	134.505
240	133.584	149.608	227.027	173.249	110.969	77.642	150.825

300	147.794	165.621	250.773	184.327	123.537	78.208	166.246
360	161.180	180.755	273.009	194.669	135.265	78.739	180.770
420	173.740	195.012	293.735	204.273	146.152	79.237	194.396
480	185.476	208.390	312.952	213.140	156.197	79.701	207.124
540	196.387	220.890	330.659	221.270	165.402	80.130	218.954
600	206.473	232.511	346.857	228.663	173.766	80.526	229.886
660	215.734	243.255	361.545	235.319	181.290	80.887	239.921
720	224.171	253.121	374.723	241.237	187.972	81.215	249.057

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.001	0.000	0.001	0.000
10	0.000	0.000	0.001	0.001	0.000	0.001	0.000
20	0.001	0.001	0.001	0.002	0.001	0.001	0.001
30	0.001	0.001	0.001	0.002	0.001	0.001	0.001
40	0.001	0.001	0.002	0.002	0.002	0.001	0.001
50	0.001	0.001	0.002	0.003	0.002	0.001	0.001
60	0.001	0.001	0.002	0.003	0.002	0.001	0.002
120	0.002	0.002	0.004	0.004	0.003	0.001	0.002
180	0.002	0.002	0.004	0.004	0.003	0.001	0.003
240	0.002	0.003	0.004	0.005	0.003	0.001	0.003
300	0.003	0.003	0.005	0.005	0.004	0.002	0.003
360	0.003	0.003	0.005	0.005	0.004	0.002	0.003
420	0.003	0.003	0.005	0.006	0.004	0.002	0.004
480	0.003	0.004	0.006	0.006	0.004	0.002	0.004
540	0.003	0.004	0.006	0.006	0.005	0.002	0.004
600	0.004	0.004	0.006	0.006	0.005	0.002	0.004
660	0.004	0.004	0.007	0.007	0.005	0.002	0.004
720	0.004	0.004	0.007	0.007	0.005	0.002	0.005

Pollutant Name: PM2.5 Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.002	0.002	0.002	0.001	0.014	0.002
10	0.002	0.003	0.003	0.003	0.001	0.012	0.002
20	0.004	0.005	0.005	0.003	0.003	0.009	0.004
30	0.005	0.007	0.007	0.004	0.004	0.007	0.006
40	0.006	0.009	0.008	0.004	0.005	0.005	0.007
50	0.008	0.010	0.010	0.005	0.006	0.004	0.009
60	0.009	0.012	0.011	0.006	0.007	0.003	0.010
120	0.012	0.016	0.016	0.008	0.009	0.009	0.014
180	0.013	0.017	0.016	0.009	0.009	0.014	0.014
240	0.013	0.018	0.017	0.010	0.010	0.018	0.015
300	0.014	0.018	0.017	0.010	0.010	0.022	0.015
360	0.014	0.019	0.018	0.011	0.010	0.026	0.016

420	0.015	0.020	0.019	0.012	0.011	0.029	0.017
480	0.015	0.020	0.019	0.012	0.011	0.031	0.017
540	0.016	0.021	0.020	0.013	0.011	0.033	0.018
600	0.016	0.022	0.021	0.013	0.012	0.034	0.018
660	0.016	0.022	0.021	0.013	0.012	0.035	0.019
720	0.017	0.023	0.022	0.014	0.012	0.035	0.019

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Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.119	0.108	0.073	0.052	0.079	0.356	0.107
10	0.220	0.200	0.135	0.096	0.146	0.657	0.197
20	0.377	0.343	0.232	0.164	0.250	1.120	0.338
30	0.486	0.443	0.301	0.210	0.321	1.438	0.437
40	0.528	0.482	0.328	0.228	0.348	1.555	0.475

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

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Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer

County Average Monterey County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.237	0.220	0.132	0.015	0.005	0.390	0.220

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Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.019	0.017	0.011	0.001	0.002	0.026	0.017

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 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer

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Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.092	0.087	0.049	0.007	0.002	0.166	0.086

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 Season : Summer
 Area : Monterey

 Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.007	0.007	0.004	0.000	0.001	0.011	0.007

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 Area : Monterey

 Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer

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Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.494	0.384	0.067	0.050	0.002	0.005	1.000
%TRIP	0.481	0.338	0.097	0.078	0.000	0.005	1.000
%VEH	0.525	0.366	0.058	0.031	0.000	0.018	1.000

Title : 2000 PM 2.5
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 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
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Table 8: Evaporative Running Loss Emissions (grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.114	0.322	0.212	0.217	0.375	0.472	0.208
2	0.122	0.191	0.128	0.138	0.216	0.496	0.152
3	0.129	0.150	0.102	0.115	0.163	0.508	0.136
4	0.133	0.130	0.090	0.103	0.137	0.516	0.130
5	0.136	0.119	0.083	0.096	0.122	0.523	0.126
10	0.142	0.103	0.075	0.084	0.095	0.546	0.121
15	0.143	0.104	0.079	0.079	0.090	0.558	0.123
20	0.144	0.108	0.084	0.076	0.089	0.568	0.125
25	0.144	0.111	0.088	0.074	0.088	0.577	0.126
30	0.141	0.107	0.085	0.073	0.086	0.564	0.123
35	0.137	0.103	0.082	0.071	0.083	0.552	0.119
40	0.134	0.100	0.079	0.069	0.081	0.540	0.116
45	0.131	0.096	0.076	0.068	0.078	0.529	0.113
50	0.125	0.092	0.073	0.066	0.076	0.507	0.108

55	0.117	0.089	0.071	0.064	0.073	0.481	0.102
60	0.111	0.085	0.068	0.063	0.071	0.459	0.097

Title : 2000 PM 10
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Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							
23	0.636	0.712	0.768	2.266	3.833	2.778	0.771

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							
23	10.338	13.510	11.894	25.647	22.739	25.336	12.511

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							
23	1.061	1.584	2.156	15.783	18.779	1.205	2.097

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							

23 442.151 509.155 708.177 1511.386 2025.789 131.828 539.950

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

23 0.007 0.008 0.013 0.120 0.157 0.003 0.014

Pollutant Name: PM10 Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

23 0.020 0.029 0.034 0.913 0.270 0.037 0.070

Pollutant Name: PM10 - Tire Wear Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

23 0.008 0.008 0.009 0.021 0.010 0.004 0.009

Pollutant Name: PM10 - Brake Wear Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

23 0.013 0.013 0.013 0.019 0.013 0.006 0.013

Pollutant Name: Gasoline - mi/gal Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

23 19.309 16.518 11.976 10.284 10.484 49.048 17.733

Pollutant Name: Diesel - mi/gal Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

23 27.201 28.679 18.288 5.755 3.387 0.000 12.639

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Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.305	0.297	0.609	2.145	0.537	1.678	0.483
10	0.469	0.460	0.879	2.487	0.947	1.689	0.670
20	0.776	0.764	1.384	3.162	1.703	1.749	1.023
30	1.052	1.038	1.842	3.823	2.375	1.863	1.345
40	1.297	1.282	2.254	4.470	2.963	2.031	1.637
50	1.513	1.495	2.619	5.104	3.467	2.251	1.899
60	1.684	1.666	2.904	5.543	3.876	2.357	2.102
120	1.965	1.930	3.232	5.900	4.283	2.387	2.386
180	2.004	1.980	3.397	6.324	4.548	2.588	2.472
240	2.121	2.095	3.598	6.741	4.805	2.793	2.621
300	2.235	2.208	3.794	7.151	5.054	2.997	2.766
360	2.345	2.317	3.985	7.553	5.295	3.200	2.907
420	2.453	2.423	4.170	7.949	5.529	3.403	3.044
480	2.557	2.526	4.351	8.338	5.754	3.606	3.178
540	2.657	2.626	4.525	8.720	5.971	3.808	3.308
600	2.755	2.722	4.695	9.095	6.180	4.010	3.435
660	2.849	2.816	4.859	9.463	6.381	4.211	3.558
720	2.940	2.906	5.018	9.824	6.574	4.412	3.677

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
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5	2.667	2.899	6.390	24.174	7.240	6.493	4.810
10	4.127	4.587	9.539	27.178	13.320	5.918	6.620
20	6.876	7.766	15.471	33.038	24.720	4.919	10.047
30	9.399	10.681	20.918	38.701	35.102	4.123	13.215
40	11.695	13.333	25.879	44.168	44.467	3.530	16.122
50	13.765	15.720	30.354	49.438	52.816	3.139	18.770
60	15.609	17.843	34.344	54.512	60.148	2.951	21.159
120	20.495	22.996	42.056	70.680	70.953	5.880	27.282
180	20.130	22.821	43.585	79.636	73.322	8.326	27.909
240	21.093	23.879	45.757	87.879	75.726	10.561	29.597
300	22.022	24.902	47.849	95.410	78.165	12.539	31.193
360	22.917	25.891	49.862	102.227	80.639	14.259	32.695
420	23.778	26.844	51.795	108.331	83.148	15.721	34.105
480	24.605	27.763	53.648	113.723	85.692	16.926	35.422
540	25.398	28.648	55.423	118.402	88.270	17.873	36.646
600	26.157	29.498	57.117	122.367	90.884	18.562	37.777
660	26.883	30.313	58.732	125.620	93.533	18.994	38.816
720	27.574	31.094	60.268	128.160	96.216	19.168	39.761

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.321	0.424	0.833	1.396	1.630	0.242	0.489
10	0.438	0.574	1.218	1.992	2.451	0.265	0.680
20	0.643	0.839	1.895	3.042	3.892	0.308	1.017
30	0.811	1.056	2.448	3.899	5.067	0.344	1.292
40	0.941	1.224	2.875	4.564	5.975	0.375	1.505
50	1.034	1.345	3.178	5.036	6.616	0.399	1.657
60	1.090	1.417	3.356	5.317	6.991	0.418	1.748
120	1.103	1.436	3.381	5.353	7.036	0.421	1.766
180	1.102	1.435	3.370	5.324	7.010	0.412	1.761
240	1.093	1.425	3.349	5.283	6.970	0.399	1.748
300	1.082	1.411	3.320	5.228	6.916	0.383	1.731
360	1.068	1.393	3.285	5.161	6.849	0.364	1.710
420	1.051	1.372	3.242	5.080	6.767	0.342	1.684
480	1.031	1.346	3.191	4.987	6.672	0.317	1.653
540	1.008	1.318	3.134	4.881	6.563	0.289	1.618
600	0.983	1.285	3.069	4.761	6.441	0.257	1.579
660	0.954	1.249	2.998	4.629	6.305	0.223	1.536
720	0.923	1.209	2.918	4.484	6.154	0.185	1.488

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	10.532	11.748	18.491	35.546	5.886	29.503	13.770
10	15.029	16.610	26.581	41.737	9.995	32.161	18.861

20	24.017	26.367	42.644	53.898	18.138	37.327	29.019
30	32.995	36.168	58.547	65.768	26.181	42.293	39.149
40	41.964	46.013	74.293	77.345	34.123	47.058	49.250
50	50.923	55.901	89.880	88.630	41.964	51.622	59.322
60	59.873	65.833	105.309	99.622	49.705	55.986	69.364
120	102.689	114.949	175.007	148.879	83.310	76.409	117.288
180	118.549	132.718	201.772	161.433	97.560	77.042	134.505
240	133.584	149.608	227.027	173.249	110.969	77.642	150.825
300	147.794	165.621	250.773	184.327	123.537	78.208	166.246
360	161.180	180.755	273.009	194.669	135.265	78.739	180.770
420	173.740	195.012	293.735	204.273	146.152	79.237	194.396
480	185.476	208.390	312.952	213.140	156.197	79.701	207.124
540	196.387	220.890	330.659	221.270	165.402	80.130	218.954
600	206.473	232.511	346.857	228.663	173.766	80.526	229.886
660	215.734	243.255	361.545	235.319	181.290	80.887	239.921
720	224.171	253.121	374.723	241.237	187.972	81.215	249.057

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.001	0.000	0.001	0.000
10	0.000	0.000	0.001	0.001	0.000	0.001	0.000
20	0.001	0.001	0.001	0.002	0.001	0.001	0.001
30	0.001	0.001	0.001	0.002	0.001	0.001	0.001
40	0.001	0.001	0.002	0.002	0.002	0.001	0.001
50	0.001	0.001	0.002	0.003	0.002	0.001	0.001
60	0.001	0.001	0.002	0.003	0.002	0.001	0.002
120	0.002	0.002	0.004	0.004	0.003	0.001	0.002
180	0.002	0.002	0.004	0.004	0.003	0.001	0.003
240	0.002	0.003	0.004	0.005	0.003	0.001	0.003
300	0.003	0.003	0.005	0.005	0.004	0.002	0.003
360	0.003	0.003	0.005	0.005	0.004	0.002	0.003
420	0.003	0.003	0.005	0.006	0.004	0.002	0.004
480	0.003	0.004	0.006	0.006	0.004	0.002	0.004
540	0.003	0.004	0.006	0.006	0.005	0.002	0.004
600	0.004	0.004	0.006	0.006	0.005	0.002	0.004
660	0.004	0.004	0.007	0.007	0.005	0.002	0.004
720	0.004	0.004	0.007	0.007	0.005	0.002	0.005

Pollutant Name: PM10 Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.002	0.002	0.003	0.001	0.018	0.002
10	0.002	0.003	0.003	0.003	0.002	0.016	0.003
20	0.004	0.005	0.005	0.004	0.003	0.012	0.005
30	0.006	0.008	0.007	0.004	0.004	0.009	0.006

40	0.007	0.009	0.009	0.005	0.005	0.007	0.008
50	0.008	0.011	0.011	0.006	0.006	0.005	0.009
60	0.009	0.013	0.012	0.006	0.007	0.004	0.010
120	0.013	0.018	0.017	0.009	0.010	0.012	0.015
180	0.014	0.018	0.018	0.010	0.010	0.018	0.015
240	0.014	0.019	0.018	0.011	0.010	0.024	0.016
300	0.015	0.020	0.019	0.012	0.011	0.030	0.017
360	0.015	0.021	0.020	0.013	0.011	0.034	0.017
420	0.016	0.021	0.020	0.013	0.011	0.038	0.018
480	0.016	0.022	0.021	0.014	0.012	0.041	0.019
540	0.017	0.023	0.022	0.014	0.012	0.043	0.019
600	0.017	0.023	0.022	0.015	0.012	0.045	0.020
660	0.018	0.024	0.023	0.015	0.013	0.046	0.020
720	0.018	0.025	0.024	0.016	0.013	0.046	0.021

Title : 2000 PM 10
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/08/01 09:27:47
Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
Season : Summer
Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.119	0.108	0.073	0.052	0.079	0.356	0.107
10	0.220	0.200	0.135	0.096	0.146	0.657	0.197
20	0.377	0.343	0.232	0.164	0.250	1.120	0.338
30	0.486	0.443	0.301	0.210	0.321	1.438	0.437
40	0.528	0.482	0.328	0.228	0.348	1.555	0.475

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

Title : 2000 PM 10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.237	0.220	0.132	0.015	0.005	0.390	0.220

Title : 2000 PM 10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.019	0.017	0.011	0.001	0.002	0.026	0.017

Title : 2000 PM 10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.092	0.087	0.049	0.007	0.002	0.166	0.086

Title : 2000 PM 10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.007	0.007	0.004	0.000	0.001	0.011	0.007

Title : 2000 PM 10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.494	0.384	0.067	0.050	0.002	0.005	1.000
%TRIP	0.481	0.338	0.097	0.078	0.000	0.005	1.000
%VEH	0.525	0.366	0.058	0.031	0.000	0.018	1.000

Title : 2000 PM 10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:27:47
 Scen Year: 2000 -- All model years in the range 1965 to 2000 selected
 Season : Summer
 Area : Monterey

Year: 2000 -- Model Years 1965 to 2000 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 8: Evaporative Running Loss Emissions (grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.114	0.322	0.212	0.217	0.375	0.472	0.208
2	0.122	0.191	0.128	0.138	0.216	0.496	0.152
3	0.129	0.150	0.102	0.115	0.163	0.508	0.136
4	0.133	0.130	0.090	0.103	0.137	0.516	0.130
5	0.136	0.119	0.083	0.096	0.122	0.523	0.126
10	0.142	0.103	0.075	0.084	0.095	0.546	0.121

15	0.143	0.104	0.079	0.079	0.090	0.558	0.123
20	0.144	0.108	0.084	0.076	0.089	0.568	0.125
25	0.144	0.111	0.088	0.074	0.088	0.577	0.126
30	0.141	0.107	0.085	0.073	0.086	0.564	0.123
35	0.137	0.103	0.082	0.071	0.083	0.552	0.119
40	0.134	0.100	0.079	0.069	0.081	0.540	0.116
45	0.131	0.096	0.076	0.068	0.078	0.529	0.113
50	0.125	0.092	0.073	0.066	0.076	0.507	0.108
55	0.117	0.089	0.071	0.064	0.073	0.481	0.102
60	0.111	0.085	0.068	0.063	0.071	0.459	0.097

Title : 2030 PM2.5
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.017	0.036	0.043	0.282	1.057	2.121	0.065

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.788	1.498	1.617	2.192	13.169	14.771	1.385

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	0.062	0.148	0.242	2.366	6.039	1.114	0.259

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: 30%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
23	401.161	511.595	698.856	1606.810	1611.961	158.978	541.363

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: 30%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.004 0.005 0.007 0.015 0.016 0.002 0.005

Pollutant Name: PM2.5 Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.017 0.033 0.039 0.144 0.049 0.012 0.032

Pollutant Name: PM2.5 - Tire Wear Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.002 0.002 0.002 0.005 0.002 0.001 0.002

Pollutant Name: PM2.5 - Brake Wear Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.005 0.005 0.005 0.008 0.005 0.003 0.005

Pollutant Name: Gasoline - mi/gal Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 22.017 17.225 12.428 11.730 11.098 46.842 19.234

Pollutant Name: Diesel - mi/gal Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 29.156 29.156 19.479 5.872 4.297 0.000 8.035

Title : 2030 PM2.5
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.007	0.013	0.033	0.081	0.451	0.638	0.025
10	0.013	0.026	0.066	0.157	0.879	0.789	0.045
20	0.026	0.049	0.128	0.298	1.666	1.079	0.082
30	0.038	0.071	0.188	0.422	2.362	1.352	0.116
40	0.048	0.091	0.244	0.530	2.966	1.609	0.147
50	0.058	0.110	0.297	0.621	3.479	1.850	0.175
60	0.066	0.126	0.347	0.696	3.900	2.026	0.200
120	0.099	0.188	0.571	0.796	4.458	2.312	0.283
180	0.099	0.188	0.576	0.845	4.730	2.365	0.288
240	0.105	0.199	0.612	0.892	4.994	2.515	0.305
300	0.110	0.211	0.649	0.937	5.249	2.661	0.323
360	0.116	0.222	0.685	0.981	5.495	2.803	0.339
420	0.122	0.233	0.720	1.024	5.733	2.943	0.356
480	0.128	0.244	0.756	1.064	5.962	3.080	0.373
540	0.133	0.255	0.791	1.104	6.182	3.214	0.389
600	0.139	0.265	0.826	1.142	6.394	3.344	0.405
660	0.144	0.276	0.861	1.178	6.597	3.472	0.420
720	0.150	0.286	0.896	1.213	6.791	3.596	0.436

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.100	0.189	0.420	1.092	5.577	2.977	0.286
10	0.198	0.372	0.830	2.140	10.928	3.579	0.541
20	0.386	0.723	1.621	4.102	20.949	4.732	1.026
30	0.563	1.053	2.373	5.887	30.064	5.817	1.480
40	0.729	1.363	3.086	7.494	38.273	6.836	1.902
50	0.884	1.652	3.760	8.923	45.575	7.788	2.292
60	1.029	1.919	4.395	10.176	51.971	8.672	2.651
120	1.600	2.938	6.989	12.271	62.671	12.340	3.859

180	1.553	2.856	6.891	12.630	64.504	12.241	3.821
240	1.675	3.073	7.491	13.000	66.396	13.259	4.083
300	1.784	3.266	8.019	13.383	68.349	14.202	4.320
360	1.879	3.436	8.476	13.777	70.362	15.068	4.532
420	1.961	3.582	8.862	14.183	72.436	15.857	4.718
480	2.029	3.706	9.176	14.601	74.570	16.570	4.879
540	2.083	3.806	9.419	15.030	76.764	17.206	5.014
600	2.124	3.882	9.590	15.472	79.019	17.766	5.124
660	2.151	3.936	9.690	15.925	81.334	18.250	5.208
720	2.165	3.966	9.719	16.390	83.709	18.657	5.267

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.052	0.122	0.656	0.309	2.327	0.155	0.199
10	0.056	0.132	0.687	0.465	3.506	0.195	0.222
20	0.064	0.149	0.745	0.740	5.577	0.265	0.261
30	0.070	0.163	0.795	0.964	7.265	0.323	0.295
40	0.075	0.175	0.838	1.137	8.569	0.369	0.321
50	0.079	0.184	0.873	1.259	9.490	0.403	0.341
60	0.081	0.191	0.900	1.330	10.027	0.424	0.355
120	0.088	0.205	0.982	1.339	10.092	0.426	0.377
180	0.088	0.206	0.982	1.334	10.055	0.423	0.377
240	0.087	0.204	0.974	1.326	9.998	0.416	0.374
300	0.086	0.202	0.962	1.316	9.922	0.408	0.370
360	0.085	0.199	0.944	1.304	9.826	0.398	0.364
420	0.083	0.194	0.922	1.288	9.711	0.387	0.357
480	0.081	0.189	0.895	1.270	9.576	0.373	0.348
540	0.078	0.183	0.863	1.250	9.421	0.358	0.338
600	0.075	0.176	0.826	1.227	9.247	0.342	0.326
660	0.072	0.168	0.785	1.201	9.053	0.323	0.313
720	0.068	0.159	0.738	1.173	8.840	0.303	0.298

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.948	15.057	21.481	2.866	4.388	13.286	13.932
10	13.423	16.990	24.260	5.717	8.753	15.484	15.886
20	16.862	21.466	30.690	11.370	17.408	19.799	20.344
30	20.952	26.756	38.280	16.959	25.967	24.007	25.533
40	25.694	32.862	47.031	22.485	34.428	28.107	31.454
50	31.088	39.782	56.942	27.948	42.792	32.101	38.106
60	37.134	47.518	68.013	33.347	51.059	35.986	45.490
120	86.449	110.006	157.265	56.718	86.843	53.440	103.678
180	98.137	124.957	178.663	67.008	102.598	57.674	117.908
240	109.805	139.864	199.992	76.691	117.424	61.659	132.055

300	121.452	154.727	221.253	85.766	131.319	65.396	146.120
360	133.078	169.545	242.446	94.234	144.285	68.885	160.103
420	144.683	184.320	263.570	102.095	156.321	72.125	174.005
480	156.267	199.050	284.625	109.349	167.426	75.117	187.824
540	167.830	213.737	305.612	115.995	177.602	77.860	201.561
600	179.372	228.379	326.531	122.033	186.848	80.354	215.217
660	190.893	242.977	347.381	127.465	195.164	82.600	228.790
720	202.393	257.531	368.163	132.289	202.550	84.598	242.281

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.001	0.000	0.000
30	0.000	0.000	0.000	0.000	0.001	0.000	0.000
40	0.000	0.000	0.001	0.000	0.001	0.000	0.000
50	0.000	0.000	0.001	0.000	0.001	0.000	0.000
60	0.000	0.000	0.001	0.000	0.001	0.001	0.000
120	0.001	0.001	0.002	0.001	0.002	0.001	0.001
180	0.001	0.001	0.002	0.001	0.002	0.001	0.001
240	0.001	0.001	0.002	0.001	0.002	0.001	0.001
300	0.001	0.002	0.002	0.001	0.002	0.001	0.001
360	0.001	0.002	0.002	0.001	0.003	0.001	0.002
420	0.001	0.002	0.003	0.001	0.003	0.001	0.002
480	0.002	0.002	0.003	0.001	0.003	0.001	0.002
540	0.002	0.002	0.003	0.001	0.003	0.001	0.002
600	0.002	0.002	0.003	0.001	0.003	0.001	0.002
660	0.002	0.002	0.004	0.001	0.003	0.001	0.002
720	0.002	0.003	0.004	0.002	0.003	0.001	0.002

Pollutant Name: PM2.5 Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.002	0.002	0.001	0.001	0.005	0.002
20	0.002	0.004	0.004	0.002	0.003	0.004	0.003
30	0.003	0.006	0.006	0.002	0.004	0.003	0.005
40	0.004	0.008	0.008	0.003	0.005	0.003	0.006
50	0.005	0.010	0.009	0.003	0.006	0.002	0.007
60	0.006	0.011	0.011	0.004	0.007	0.002	0.009
120	0.010	0.019	0.018	0.005	0.009	0.005	0.014
180	0.012	0.021	0.020	0.006	0.010	0.007	0.015
240	0.013	0.023	0.022	0.006	0.010	0.008	0.017
300	0.014	0.024	0.024	0.006	0.010	0.010	0.018
360	0.014	0.026	0.025	0.006	0.011	0.011	0.019

420	0.015	0.027	0.026	0.006	0.011	0.012	0.020
480	0.016	0.028	0.027	0.006	0.011	0.013	0.021
540	0.016	0.029	0.028	0.007	0.012	0.014	0.021
600	0.016	0.029	0.028	0.007	0.012	0.014	0.022
660	0.016	0.029	0.029	0.007	0.012	0.015	0.022
720	0.016	0.029	0.029	0.007	0.013	0.015	0.022

Title : 2030 PM2.5
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/08/01 09:29:00
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Summer
Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.025	0.042	0.028	0.003	0.036	0.087	0.030
10	0.046	0.077	0.052	0.006	0.066	0.162	0.055
20	0.079	0.132	0.089	0.010	0.112	0.280	0.094
30	0.101	0.169	0.114	0.013	0.144	0.364	0.121
40	0.110	0.183	0.124	0.014	0.155	0.396	0.131

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

Title : 2030 PM2.5
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/08/01 09:29:00
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Summer
Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer

County Average Monterey County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.454	0.360	0.120	0.055	0.001	0.011	1.000
%TRIP	0.427	0.316	0.173	0.073	0.000	0.010	1.000
%VEH	0.468	0.354	0.115	0.028	0.000	0.034	1.000

Title : 2030 PM2.5
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 8: Evaporative Running Loss Emissions (grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.010	0.258	0.217	0.049	0.613	0.004	0.127
2	0.008	0.130	0.110	0.025	0.305	0.036	0.066
3	0.009	0.090	0.077	0.018	0.204	0.052	0.047
4	0.010	0.071	0.062	0.014	0.155	0.061	0.039
5	0.012	0.060	0.053	0.012	0.125	0.067	0.035
10	0.014	0.039	0.036	0.008	0.069	0.075	0.026
15	0.014	0.032	0.030	0.007	0.052	0.075	0.023
20	0.014	0.029	0.028	0.006	0.044	0.073	0.022
25	0.014	0.028	0.027	0.006	0.041	0.070	0.021
30	0.014	0.027	0.026	0.005	0.038	0.066	0.020
35	0.013	0.026	0.025	0.005	0.037	0.063	0.019
40	0.013	0.025	0.024	0.005	0.035	0.060	0.019
45	0.012	0.024	0.024	0.005	0.033	0.056	0.018
50	0.012	0.023	0.023	0.005	0.031	0.053	0.017

55	0.012	0.022	0.022	0.005	0.030	0.050	0.017
60	0.011	0.021	0.021	0.005	0.028	0.048	0.016

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							
23	0.017	0.036	0.043	0.282	1.057	2.121	0.065

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							
23	0.788	1.498	1.617	2.192	13.169	14.771	1.385

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							
23	0.062	0.148	0.242	2.366	6.039	1.114	0.259

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: 30%

Speed	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
MPH							

23 401.161 511.595 698.856 1606.810 1611.961 158.978 541.363

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.004 0.005 0.007 0.015 0.016 0.002 0.005

Pollutant Name: PM10 Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.018 0.036 0.042 0.156 0.053 0.016 0.035

Pollutant Name: PM10 - Tire Wear Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.008 0.008 0.009 0.021 0.010 0.004 0.009

Pollutant Name: PM10 - Brake Wear Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 0.013 0.013 0.013 0.018 0.013 0.006 0.013

Pollutant Name: Gasoline - mi/gal Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL
23 22.017 17.225 12.428 11.730 11.098 46.842 19.234

Pollutant Name: Diesel - mi/gal Temperature: 71F Relative Humidity: 30%

Speed
MPH LDA LDT MDT HDT UBUS MCY ALL

23 29.156 29.156 19.479 5.872 4.297 0.000 8.035

Title : 2030 PM10
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/08/01 09:29:00
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Summer
Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.007	0.013	0.033	0.081	0.451	0.638	0.025
10	0.013	0.026	0.066	0.157	0.879	0.789	0.045
20	0.026	0.049	0.128	0.298	1.666	1.079	0.082
30	0.038	0.071	0.188	0.422	2.362	1.352	0.116
40	0.048	0.091	0.244	0.530	2.966	1.609	0.147
50	0.058	0.110	0.297	0.621	3.479	1.850	0.175
60	0.066	0.126	0.347	0.696	3.900	2.026	0.200
120	0.099	0.188	0.571	0.796	4.458	2.312	0.283
180	0.099	0.188	0.576	0.845	4.730	2.365	0.288
240	0.105	0.199	0.612	0.892	4.994	2.515	0.305
300	0.110	0.211	0.649	0.937	5.249	2.661	0.323
360	0.116	0.222	0.685	0.981	5.495	2.803	0.339
420	0.122	0.233	0.720	1.024	5.733	2.943	0.356
480	0.128	0.244	0.756	1.064	5.962	3.080	0.373
540	0.133	0.255	0.791	1.104	6.182	3.214	0.389
600	0.139	0.265	0.826	1.142	6.394	3.344	0.405
660	0.144	0.276	0.861	1.178	6.597	3.472	0.420
720	0.150	0.286	0.896	1.213	6.791	3.596	0.436

Pollutant Name: Carbon Monoxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
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5	0.100	0.189	0.420	1.092	5.577	2.977	0.286
10	0.198	0.372	0.830	2.140	10.928	3.579	0.541
20	0.386	0.723	1.621	4.102	20.949	4.732	1.026
30	0.563	1.053	2.373	5.887	30.064	5.817	1.480
40	0.729	1.363	3.086	7.494	38.273	6.836	1.902
50	0.884	1.652	3.760	8.923	45.575	7.788	2.292
60	1.029	1.919	4.395	10.176	51.971	8.672	2.651
120	1.600	2.938	6.989	12.271	62.671	12.340	3.859
180	1.553	2.856	6.891	12.630	64.504	12.241	3.821
240	1.675	3.073	7.491	13.000	66.396	13.259	4.083
300	1.784	3.266	8.019	13.383	68.349	14.202	4.320
360	1.879	3.436	8.476	13.777	70.362	15.068	4.532
420	1.961	3.582	8.862	14.183	72.436	15.857	4.718
480	2.029	3.706	9.176	14.601	74.570	16.570	4.879
540	2.083	3.806	9.419	15.030	76.764	17.206	5.014
600	2.124	3.882	9.590	15.472	79.019	17.766	5.124
660	2.151	3.936	9.690	15.925	81.334	18.250	5.208
720	2.165	3.966	9.719	16.390	83.709	18.657	5.267

Pollutant Name: Oxides of Nitrogen Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.052	0.122	0.656	0.309	2.327	0.155	0.199
10	0.056	0.132	0.687	0.465	3.506	0.195	0.222
20	0.064	0.149	0.745	0.740	5.577	0.265	0.261
30	0.070	0.163	0.795	0.964	7.265	0.323	0.295
40	0.075	0.175	0.838	1.137	8.569	0.369	0.321
50	0.079	0.184	0.873	1.259	9.490	0.403	0.341
60	0.081	0.191	0.900	1.330	10.027	0.424	0.355
120	0.088	0.205	0.982	1.339	10.092	0.426	0.377
180	0.088	0.206	0.982	1.334	10.055	0.423	0.377
240	0.087	0.204	0.974	1.326	9.998	0.416	0.374
300	0.086	0.202	0.962	1.316	9.922	0.408	0.370
360	0.085	0.199	0.944	1.304	9.826	0.398	0.364
420	0.083	0.194	0.922	1.288	9.711	0.387	0.357
480	0.081	0.189	0.895	1.270	9.576	0.373	0.348
540	0.078	0.183	0.863	1.250	9.421	0.358	0.338
600	0.075	0.176	0.826	1.227	9.247	0.342	0.326
660	0.072	0.168	0.785	1.201	9.053	0.323	0.313
720	0.068	0.159	0.738	1.173	8.840	0.303	0.298

Pollutant Name: Carbon Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.948	15.057	21.481	2.866	4.388	13.286	13.932
10	13.423	16.990	24.260	5.717	8.753	15.484	15.886

20	16.862	21.466	30.690	11.370	17.408	19.799	20.344
30	20.952	26.756	38.280	16.959	25.967	24.007	25.533
40	25.694	32.862	47.031	22.485	34.428	28.107	31.454
50	31.088	39.782	56.942	27.948	42.792	32.101	38.106
60	37.134	47.518	68.013	33.347	51.059	35.986	45.490
120	86.449	110.006	157.265	56.718	86.843	53.440	103.678
180	98.137	124.957	178.663	67.008	102.598	57.674	117.908
240	109.805	139.864	199.992	76.691	117.424	61.659	132.055
300	121.452	154.727	221.253	85.766	131.319	65.396	146.120
360	133.078	169.545	242.446	94.234	144.285	68.885	160.103
420	144.683	184.320	263.570	102.095	156.321	72.125	174.005
480	156.267	199.050	284.625	109.349	167.426	75.117	187.824
540	167.830	213.737	305.612	115.995	177.602	77.860	201.561
600	179.372	228.379	326.531	122.033	186.848	80.354	215.217
660	190.893	242.977	347.381	127.465	195.164	82.600	228.790
720	202.393	257.531	368.163	132.289	202.550	84.598	242.281

Pollutant Name: Sulfur Dioxide Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.001	0.000	0.000
30	0.000	0.000	0.000	0.000	0.001	0.000	0.000
40	0.000	0.000	0.001	0.000	0.001	0.000	0.000
50	0.000	0.000	0.001	0.000	0.001	0.000	0.000
60	0.000	0.000	0.001	0.000	0.001	0.001	0.000
120	0.001	0.001	0.002	0.001	0.002	0.001	0.001
180	0.001	0.001	0.002	0.001	0.002	0.001	0.001
240	0.001	0.001	0.002	0.001	0.002	0.001	0.001
300	0.001	0.002	0.002	0.001	0.002	0.001	0.001
360	0.001	0.002	0.002	0.001	0.003	0.001	0.002
420	0.001	0.002	0.003	0.001	0.003	0.001	0.002
480	0.002	0.002	0.003	0.001	0.003	0.001	0.002
540	0.002	0.002	0.003	0.001	0.003	0.001	0.002
600	0.002	0.002	0.003	0.001	0.003	0.001	0.002
660	0.002	0.002	0.004	0.001	0.003	0.001	0.002
720	0.002	0.003	0.004	0.002	0.003	0.001	0.002

Pollutant Name: PM10 Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.001	0.001	0.000	0.001	0.007	0.001
10	0.001	0.002	0.002	0.001	0.002	0.006	0.002
20	0.002	0.004	0.004	0.002	0.003	0.005	0.003
30	0.004	0.007	0.006	0.002	0.004	0.004	0.005

40	0.005	0.009	0.008	0.003	0.005	0.003	0.006
50	0.006	0.010	0.010	0.004	0.006	0.003	0.008
60	0.007	0.012	0.012	0.004	0.007	0.003	0.009
120	0.011	0.020	0.020	0.006	0.010	0.006	0.015
180	0.012	0.022	0.022	0.006	0.010	0.008	0.017
240	0.014	0.024	0.024	0.006	0.011	0.011	0.018
300	0.015	0.026	0.026	0.006	0.011	0.013	0.020
360	0.015	0.028	0.027	0.007	0.011	0.014	0.021
420	0.016	0.029	0.028	0.007	0.012	0.016	0.022
480	0.017	0.030	0.029	0.007	0.012	0.017	0.022
540	0.017	0.031	0.030	0.007	0.012	0.018	0.023
600	0.017	0.031	0.031	0.007	0.013	0.019	0.023
660	0.018	0.032	0.031	0.008	0.013	0.019	0.024
720	0.018	0.032	0.031	0.008	0.014	0.019	0.024

Title : 2030 PM10
Version : Emfac2007 V2.3 Nov 1 2006
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Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
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Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.025	0.042	0.028	0.003	0.036	0.087	0.030
10	0.046	0.077	0.052	0.006	0.066	0.162	0.055
20	0.079	0.132	0.089	0.010	0.112	0.280	0.094
30	0.101	0.169	0.114	0.013	0.144	0.364	0.121
40	0.110	0.183	0.124	0.014	0.155	0.396	0.131

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.029	0.062	0.055	0.001	0.003	0.246	0.050

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.002	0.005	0.004	0.000	0.001	0.023	0.004

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.017	0.039	0.040	0.001	0.001	0.090	0.030

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
71	0.001	0.003	0.003	0.000	0.000	0.009	0.002

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.454	0.360	0.120	0.055	0.001	0.011	1.000
%TRIP	0.427	0.316	0.173	0.073	0.000	0.010	1.000
%VEH	0.468	0.354	0.115	0.028	0.000	0.034	1.000

Title : 2030 PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/08/01 09:29:00
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Summer
 Area : Monterey

Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Summer
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Monterey County Average

Table 8: Evaporative Running Loss Emissions (grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 71F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.010	0.258	0.217	0.049	0.613	0.004	0.127
2	0.008	0.130	0.110	0.025	0.305	0.036	0.066
3	0.009	0.090	0.077	0.018	0.204	0.052	0.047
4	0.010	0.071	0.062	0.014	0.155	0.061	0.039
5	0.012	0.060	0.053	0.012	0.125	0.067	0.035
10	0.014	0.039	0.036	0.008	0.069	0.075	0.026

15	0.014	0.032	0.030	0.007	0.052	0.075	0.023
20	0.014	0.029	0.028	0.006	0.044	0.073	0.022
25	0.014	0.028	0.027	0.006	0.041	0.070	0.021
30	0.014	0.027	0.026	0.005	0.038	0.066	0.020
35	0.013	0.026	0.025	0.005	0.037	0.063	0.019
40	0.013	0.025	0.024	0.005	0.035	0.060	0.019
45	0.012	0.024	0.024	0.005	0.033	0.056	0.018
50	0.012	0.023	0.023	0.005	0.031	0.053	0.017
55	0.012	0.022	0.022	0.005	0.030	0.050	0.017
60	0.011	0.021	0.021	0.005	0.028	0.048	0.016

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Monterey GP Update 2008
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 6.1 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE	VPH	(G/MI)	(M) (M)
A. Link A	* 0 0 300 0 * AG	21950	14.0	.0 13.2
B. Link B	* 0 -1584 300 -1584 * AG	24400	14.0	.0 13.2
C. Link C	* 0 -3168 300 -3168 * AG	27500	14.0	.0 13.2

III. RECEPTOR LOCATIONS

* COORDINATES (M)
RECEPTOR * X Y Z
1. Recpt 1 * 75 15 1.8
2. Recpt 2 * 150 15 1.8
3. Recpt 3 * 225 15 1.8
4. Recpt 4 * 75 -15 1.8
5. Recpt 5 * 150 -15 1.8
6. Recpt 6 * 225 -15 1.8
7. Recpt 7 * 75 -1569 1.8
8. Recpt 8 * 150 -1569 1.8
9. Recpt 9 * 225 -1569 1.8
10. Recpt 10 * 75 -1599 1.8
11. Recpt 11 * 150 -1599 1.8
12. Recpt 12 * 225 -1599 1.8
13. Recpt 13 * 75 -3153 1.8
14. Recpt 14 * 150 -3153 1.8

15. Recpt 15 * 225 -3153 1.8
 16. Recpt 16 * 75 -3183 1.8
 17. Recpt 17 * 150 -3183 1.8
 18. Recpt 18 * 225 -3183 1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Monterey GP Update 2008
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C
1. Recpt 1	* 99.	* 19.3	* 19.3	.0	.0
2. Recpt 2	* 102.	* 18.5	* 18.5	.0	.0
3. Recpt 3	* 261.	* 19.3	* 19.3	.0	.0
4. Recpt 4	* 81.	* 19.3	* 19.3	.0	.0
5. Recpt 5	* 78.	* 18.5	* 18.5	.0	.0
6. Recpt 6	* 279.	* 19.3	* 19.3	.0	.0
7. Recpt 7	* 99.	* 21.4	* .0	21.4	.0
8. Recpt 8	* 102.	* 20.5	* .0	20.5	.0
9. Recpt 9	* 261.	* 21.4	* .0	21.4	.0
10. Recpt 10	* 81.	* 21.4	* .0	21.4	.0
11. Recpt 11	* 78.	* 20.5	* .0	20.5	.0
12. Recpt 12	* 279.	* 21.4	* .0	21.4	.0
13. Recpt 13	* 99.	* 24.1	* .0	.0	24.1
14. Recpt 14	* 102.	* 23.1	* .0	.0	23.1
15. Recpt 15	* 261.	* 24.1	* .0	.0	24.1
16. Recpt 16	* 81.	* 24.1	* .0	.0	24.1
17. Recpt 17	* 78.	* 23.1	* .0	.0	23.1
18. Recpt 18	* 279.	* 24.1	* .0	.0	24.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Monterey GP Update 2030 WP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 6.1 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE	VPH	(G/MI)	(M) (M)
A. Link A	* 0 0 300 0 * AG	19000	2.4	.0 13.2
B. Link B	* 0 -1584 300 -1584 * AG	24400	2.4	.0 13.2
C. Link C	* 0 -3168 300 -3168 * AG	26900	2.4	.0 13.2

III. RECEPTOR LOCATIONS

* RECEPTOR	* COORDINATES (M)
* X	Y Z
1. Recpt 1	* 75 15 1.8
2. Recpt 2	* 150 15 1.8
3. Recpt 3	* 225 15 1.8
4. Recpt 4	* 75 -15 1.8
5. Recpt 5	* 150 -15 1.8
6. Recpt 6	* 225 -15 1.8
7. Recpt 7	* 75 -1569 1.8
8. Recpt 8	* 150 -1569 1.8
9. Recpt 9	* 225 -1569 1.8
10. Recpt 10	* 75 -1599 1.8
11. Recpt 11	* 150 -1599 1.8
12. Recpt 12	* 225 -1599 1.8
13. Recpt 13	* 75 -3153 1.8
14. Recpt 14	* 150 -3153 1.8

15. Recpt 15 * 225 -3153 1.8
 16. Recpt 16 * 75 -3183 1.8
 17. Recpt 17 * 150 -3183 1.8
 18. Recpt 18 * 225 -3183 1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Monterey GP Update 2030 WP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C
1. Recpt 1	* 99.	* 2.9	* 2.9	.0	.0
2. Recpt 2	* 102.	* 2.7	* 2.7	.0	.0
3. Recpt 3	* 261.	* 2.9	* 2.9	.0	.0
4. Recpt 4	* 81.	* 2.9	* 2.9	.0	.0
5. Recpt 5	* 78.	* 2.7	* 2.7	.0	.0
6. Recpt 6	* 279.	* 2.9	* 2.9	.0	.0
7. Recpt 7	* 99.	* 3.7	* .0	3.7	.0
8. Recpt 8	* 102.	* 3.5	* .0	3.5	.0
9. Recpt 9	* 261.	* 3.7	* .0	3.7	.0
10. Recpt 10	* 81.	* 3.7	* .0	3.7	.0
11. Recpt 11	* 78.	* 3.5	* .0	3.5	.0
12. Recpt 12	* 279.	* 3.7	* .0	3.7	.0
13. Recpt 13	* 99.	* 4.0	* .0	.0	4.0
14. Recpt 14	* 102.	* 3.9	* .0	.0	3.9
15. Recpt 15	* 261.	* 4.0	* .0	.0	4.0
16. Recpt 16	* 81.	* 4.0	* .0	.0	4.0
17. Recpt 17	* 78.	* 3.9	* .0	.0	3.9
18. Recpt 18	* 279.	* 4.0	* .0	.0	4.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Monterey GP Update 2030 Cumulative
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 6.1 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE	VPH	(G/MI)	(M) (M)
A. Link A	* 0 0 300 0 * AG	37600	2.4	.0 13.2
B. Link B	* 0 -1584 300 -1584 * AG	32000	2.4	.0 13.2
C. Link C	* 0 -3168 300 -3168 * AG	31800	2.4	.0 13.2

III. RECEPTOR LOCATIONS

* COORDINATES (M)
RECEPTOR * X Y Z
1. Recept 1 * 75 15 1.8
2. Recept 2 * 150 15 1.8
3. Recept 3 * 225 15 1.8
4. Recept 4 * 75 -15 1.8
5. Recept 5 * 150 -15 1.8
6. Recept 6 * 225 -15 1.8
7. Recept 7 * 75 -1569 1.8
8. Recept 8 * 150 -1569 1.8
9. Recept 9 * 225 -1569 1.8
10. Recept 10 * 75 -1599 1.8
11. Recept 11 * 150 -1599 1.8
12. Recept 12 * 225 -1599 1.8
13. Recept 13 * 75 -3153 1.8
14. Recept 14 * 150 -3153 1.8

15. Recpt 15 * 225 -3153 1.8
 16. Recpt 16 * 75 -3183 1.8
 17. Recpt 17 * 150 -3183 1.8
 18. Recpt 18 * 225 -3183 1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Monterey GP Update 2030 Cumulative
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C
1. Recpt 1	* 99.	* 5.7	* 5.7	.0	.0
2. Recpt 2	* 102.	* 5.4	* 5.4	.0	.0
3. Recpt 3	* 261.	* 5.7	* 5.7	.0	.0
4. Recpt 4	* 81.	* 5.7	* 5.7	.0	.0
5. Recpt 5	* 78.	* 5.4	* 5.4	.0	.0
6. Recpt 6	* 279.	* 5.7	* 5.7	.0	.0
7. Recpt 7	* 99.	* 4.8	* .0	4.8	.0
8. Recpt 8	* 102.	* 4.6	* .0	4.6	.0
9. Recpt 9	* 261.	* 4.8	* .0	4.8	.0
10. Recpt 10	* 81.	* 4.8	* .0	4.8	.0
11. Recpt 11	* 78.	* 4.6	* .0	4.6	.0
12. Recpt 12	* 279.	* 4.8	* .0	4.8	.0
13. Recpt 13	* 99.	* 4.8	* .0	.0	4.8
14. Recpt 14	* 102.	* 4.6	* .0	.0	4.6
15. Recpt 15	* 261.	* 4.8	* .0	.0	4.8
16. Recpt 16	* 81.	* 4.8	* .0	.0	4.8
17. Recpt 17	* 78.	* 4.6	* .0	.0	4.6
18. Recpt 18	* 279.	* 4.8	* .0	.0	4.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Monterey GP Update Buildout
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 6.1 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE	VPH	(G/MI)	(M) (M)
A. Link A	* 0 0 300 0 * AG	43300	2.4	.0 13.2
B. Link B	* 0 -1584 300 -1584 * AG	40100	2.4	.0 13.2
C. Link C	* 0 -3168 300 -3168 * AG	39900	2.4	.0 13.2

III. RECEPTOR LOCATIONS

* RECEPTOR	* COORDINATES (M)
* X	Y Z
1. Recpt 1	* 75 15 1.8
2. Recpt 2	* 150 15 1.8
3. Recpt 3	* 225 15 1.8
4. Recpt 4	* 75 -15 1.8
5. Recpt 5	* 150 -15 1.8
6. Recpt 6	* 225 -15 1.8
7. Recpt 7	* 75 -1569 1.8
8. Recpt 8	* 150 -1569 1.8
9. Recpt 9	* 225 -1569 1.8
10. Recpt 10	* 75 -1599 1.8
11. Recpt 11	* 150 -1599 1.8
12. Recpt 12	* 225 -1599 1.8
13. Recpt 13	* 75 -3153 1.8
14. Recpt 14	* 150 -3153 1.8

15. Recpt 15 * 225 -3153 1.8
 16. Recpt 16 * 75 -3183 1.8
 17. Recpt 17 * 150 -3183 1.8
 18. Recpt 18 * 225 -3183 1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Monterey GP Update Buildout
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* CONC	* CONC	* (PPM)	A	B	C
1. Recpt 1	* 99.	* 6.5	* 6.5	.0	.0		
2. Recpt 2	* 102.	* 6.2	* 6.2	.0	.0		
3. Recpt 3	* 261.	* 6.5	* 6.5	.0	.0		
4. Recpt 4	* 81.	* 6.5	* 6.5	.0	.0		
5. Recpt 5	* 78.	* 6.2	* 6.2	.0	.0		
6. Recpt 6	* 279.	* 6.5	* 6.5	.0	.0		
7. Recpt 7	* 99.	* 6.0	* .0	6.0	.0		
8. Recpt 8	* 102.	* 5.8	* .0	5.8	.0		
9. Recpt 9	* 261.	* 6.0	* .0	6.0	.0		
10. Recpt 10	* 81.	* 6.0	* .0	6.0	.0		
11. Recpt 11	* 78.	* 5.8	* .0	5.8	.0		
12. Recpt 12	* 279.	* 6.0	* .0	6.0	.0		
13. Recpt 13	* 99.	* 6.0	* .0	.0	6.0		
14. Recpt 14	* 102.	* 5.8	* .0	.0	5.8		
15. Recpt 15	* 261.	* 6.0	* .0	.0	6.0		
16. Recpt 16	* 81.	* 6.0	* .0	.0	6.0		
17. Recpt 17	* 78.	* 5.8	* .0	.0	5.8		
18. Recpt 18	* 279.	* 6.0	* .0	.0	6.0		

Greenhouse Gas Calculation Spreadsheets

Table GHG-1: Monterey County Greenhouse Gas Emissions Estimate, 2006			
Source	GHG Emissions (MT CO2e)	% of Total	Notes
Vehicle Emission:	647,175	45%	Includes miles on County roads and 25% of state highway miles
Natural Gas Consumption	190,848	13%	Residential, commercial, and industrial consumption from PG&E
Electricity Consumption	209,103	15%	Residential, commercial, and industrial consumption from PG&E
Industrial Processes	201,290	14%	Based on MBUAPCD inventory data
Landfill Emissions	32,829	2%	Based on CIWMB data.
Offroad Equipment Use	152,114	11%	Based on OFFROAD model with apportionment
Fugitive Methane from Nat. Gas Pipeline:	5,417	0%	Based on California per capita average
Total	1,438,776	100%	
Source: See Tables GHG-4 through GHG-11			
Table GHG-2: Monterey County Greenhouse Gas Increase in Emissions, 2020 and 2030			
Source	GHG Emissions (MT CO2e)	% of Total	Notes
<i>Business as Usual Conditions</i>			
Vehicle Emission:	73,093	27%	Based on growth in VMT (2030 factors)
Natural Gas Consumption	26,000	10%	Residential, commercial, and industrial consumption
Electricity Consumption	24,935	9%	Residential, commercial, and industrial consumption
Industrial processes	51,230	19%	Based on growth in industrial employmen
Landfill Emissions	8,988	3%	Based on growth in population
Offroad Equipment Use	49,899	18%	Based on OFFROAD model with apportionment
Fugitive Methane from Nat. Gas Pipeline:	1,483	1%	Based on growth in population
AWCP Wineries and Ancillary Use:	5,327	2%	Building energy only (transportation included above). Assumes all built by 2030
Coastal Water Project	2,890	0%	Apportioned emissions to County based on population served
Annualized Stock/Sequestration Los:	26,046	10%	Includes loss in sequestration and average stock loss (2006 - 2030)
Total from New Development 2030	269,891	100%	
Total from New Development 2020	157,436		Scaled based on years (+14 years to 2020/+24 years to 2030)
Total from Existing Development	1,438,776		Assumed no change since 2006
Total for 2020	1,596,212		
<i>Percent Change relative to 2006</i>		<i>11%</i>	
Total for 2030	1,708,667		
<i>With AB 1493 vehicle emissions standards and SB 1078, SB 107 RPS requirement of 20% renewable energy</i>			
Vehicle Emission:	67,654	26%	Adjusted for Pavely 1
Natural Gas Consumption	26,000	10%	Not adjusted
Electricity Consumption	22,941	9%	Adjusted for SB 1078/SB 107 (8 percent)
Industrial processes	51,230	20%	Not adjusted for potential improvements in process efficiency
Landfill Emissions	8,988	3%	Not adjusted for potential improvements in landfill capture
Offroad Equipment Use	49,899	19%	Not adjusted for equipment efficiency improvemen
Fugitive Methane from Nat. Gas Pipeline:	1,483	1%	Not adjusted
AWCP Wineries and Ancillary Use:	4,901	2%	Adjusted for SB 1078/SB 107 (8 percent)
Coastal Water Project	2,659	0%	Adjusted for SB 1078/SB 107 (8 percent)
Annualized Stock/Sequestration Los:	26,046	10%	Not adjusted
Total from New Development 2030	261,799	100%	
Total from New Development 2020	152,716		Scaled based on years (+14 years to 2020/+24 years to 2030)
Total from Existing Development	1,350,859		Assumes similar percentage reduction for existing development relative to BAU as estimated for new development (due to Pavely 1 and SB 1078/SB 107)
Total for 2020	1,503,575		
<i>Percent Change relative to 2006</i>		<i>5%</i>	
<i>Percent of 2020 BAU</i>		<i>94%</i>	
Total for 2030	1,612,658		
Table GHG-2: Monterey County Greenhouse Gas Increase in Emissions, 2020 and 2030, continued			
<i>With Pavley II vehicle emissions standards, Governor's Low Carbon Fuel Standard and Draft Scoping Plan RPS goal of 33% renewable energy</i>			
Vehicle Emissions	49,522	22%	Adjusted for AB-32 measures (Pavley 1/2, LCFS, efficiency measures, and HD/MD measures) resulting in 26.8% reduction for transportation emission
Natural Gas Consumption	23,530	10%	Adjusted for AB-32 measures (Title 24/ Other State Energy Efficiency Improvements) resulting in 9.5% reduction for natural gas sector
Electricity Consumption	15,485	7%	Adjusted for AB-32 measures (RPS goal of 33%, Title 24/Other State Energy Efficiency Improvements, million solar roofs) resulting in total of 32.5% reduction from electricity sector.
Industrial processes	51,230	22%	Not adjusted for potential improvements in process efficiency
Landfill Emissions	7,819	3%	Adjusted for state measure on landfills (13%)
Offroad Equipment Use	46,306	20%	Adjusted for LCFS (7.2%)
Fugitive Methane from Nat. Gas Pipeline:	1,483	1%	Not adjusted
AWCP Wineries and Ancillary Use:	3,899	2%	Adjusted for AB-32 electricity and natural gas measures (26.8%)
Coastal Water Project	2,448	1%	Adjusted for RPS (15.3%)
Annualized Stock/Sequestration Los:	26,046	11%	Not adjusted
Total from New Development 2030	227,769	100%	
Total from New Development 2020	132,865		Scaled based on years (+14 years to 2020/+24 years to 2030)
Total from Existing Development	1,188,613		Assumes similar percentage reduction for existing development relative to BAU as estimated for new development due to AB-32 measure
Total for 2020	1,321,478		
<i>Percent Change relative to 2006</i>		<i>-8%</i>	
<i>Percent of 2020 BAU</i>		<i>83%</i>	
Total for 2030	1,416,381		
Source: See Tables GHG-4 through GHG-11			

Table GHG-3: Monterey County Greenhouse Gas Increase in Emissions, Buildout

Source	GHG Emissions (MT CO ₂ e)	% of Total	Notes
<i>Business as Usual Conditions</i>			
Vehicle Emissions	331,419	34%	Based on growth in VMT (2040 factors)
Natural Gas Consumption	95,289	10%	Residential, commercial, and industrial consumption
Electricity Consumption	91,040	9%	Residential, commercial, and industrial consumption
Industrial processes	194,226	20%	Based on growth in industrial employmen
Landfill Emissions	32,242	3%	Based on growth in population
Offroad Equipment Use	178,805	18%	Scaled from 2030 estimate based on growth in population
Fugitive Methane from Nat. Gas Pipeline	5,321	1%	Based on growth in population
AWCP Wineries and Ancillary Use	5,327	1%	
Coastal Water Project	2,890	0%	
Annualized Stock/Sequestration Loss	31,882	3%	Includes loss in sequestration and average stock loss (2006 - 2092)
Total from New Development	968,441	100%	
Total from Existing Development	1,438,776		Assumed no change since 2006
Total	2,407,217		
<i>Percent Change relative to 2006</i>		<i>67%</i>	
<i>With Pavley II vehicle emissions standards, Governor's Low Carbon Fuel Standard and Draft Scoping Plan RPS goal of 33% renewable energy</i>			
Vehicle Emissions	242,599	30%	Adjusted for AB-32 measures (Pavley 1/2, LCFS, efficiency measures, and HD/MD measures) resulting in 26.8% reduction for transportation emissions
Natural Gas Consumption	86,237	10%	Adjusted for AB-32 measures (Title 24/ Other State Energy Efficiency Improvements) resulting in 9.5% reduction for natural gas sector
Electricity Consumption	61,452	7%	Adjusted for AB-32 measures (RPS goal of 33%, Title 24/Other State Energy Efficiency Improvements, million solar roofs) resulting in total of 32.5% reduction from electricity sector.
Industrial processes	194,226	24%	Not adjusted for potential improvements in process efficiency
Landfill Emissions	28,051	3%	Adjusted for state measure on landfills (13%)
Offroad Equipment Use	165,931	20%	Adjusted for LCFS (7.2%)
Fugitive Methane from Nat. Gas Pipeline	5,321	1%	Not adjusted
AWCP Wineries and Ancillary Use	3,899	0%	Adjusted for AB-32 electricity and natural gas measures (26.8%)
Coastal Water Project	2,448	0%	Adjusted for RPS (15.3%)
Annualized Stock/Sequestration Loss	31,882	4%	Not adjusted
Total from New Development	822,045	100%	
Total from Existing Development	1,194,030		Assumes similar percentage reduction for existing development relative to BAU as estimated for new development for Pavely 2, LCFS and RPS goal of 33%
Total	2,016,075		
<i>Percent Change relative to 2006</i>		<i>40%</i>	

Source: See Tables GHG-4 through GHG-11

Table GHG-4 Traffic Calculations Monterey Unincorporated 2006

2006 HPMS Data, Monterey

unincorporated	1,714,260	DVMT
highway	5,817,920	DVMT
all	9,913,340	DVMT

**25% of highway miles traveled added to unincorporated DVMT for calculation

2006 DVMT for Monterey County Unincorporated (including highway miles)

3,168,740	DVMT
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EMFAC Emission Factors

0.066	grams/mile CH4
558.168	grams/mile CO2

Annual Miles Traveled

1,156,590,100	VMT/yr
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Annual GHG Emissions 2006

76.3	metric tons CH4
645,571.6	metric tons CO2
647,174.6	metric tons CO2e

Traffic Calculations Monterey Unincorporated 2030

2030 VMT Data, Monterey

unincorporated	369,679	DVMT
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EMFAC Emission Factors

0.016	grams/mile CH4
541.363	grams/mile CO2

			Gas/Diesel/Elec		Annual VMT	CO2 EF (g/mile)	CH4 EF (g/mile)
45.35%	45.35%	LD1	167,657		45.4%	61,194,693	401.161
36.02%	36.02%	LD2	133,175		36.0%	48,608,885	511.595
17.56%	17.56%	MD HD	64,911			23,692,579	
1.06%	1.06%	MCY	3,936			1,436,679	
		TOTAL	369,679	DVMT		134,932,835	

Annual Miles Traveled

134,932,835	VMT/yr
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Annual Increase in GHG Emissions 2030

2.2	metric tons CH4
73,047.6	metric tons CO2
73,093.0	metric tons CO2e

Pavley 1 (11% reduction in emissions from passenger vehicles)

61,194,692.8	VMT from LDA		
48,608,884.8	VMT from LDT		
24,561.8	metric tons of CO2e from LDA		
24,886.4	metric tons of CO2e from LDT		
49,448.2	metric tons of CO2e from LDA and LDT		
23,644.8	metric tons of CO2e from other traffic		

reduced to....	
44,008.9	metric tons of CO2e from passenger vehicles with Pavley I
67,653.7	metric tons of CO2e total in 2030 with Pavley I reductions

NET INCREASE with Pavley I

67,653.7	metric tons of CO2e increased over 2006 emissions levels with Pavley I
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Traffic Calculations Monterey Unincorporated Buildout

Buildout VMT Data, Monterey

unincorporated	1,683,918	New DVMT
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EMFAC Emission Factors

0.013	grams/mile CH4
538.944	grams/mile CO2

			Gas/Diesel/elec		Annual VMT	CO2 EF (g/mile)	CH4 EF (g/mile)
45.41%	45.41%	LD 1	764,699		45.4%	279,115,012	399.935
35.99%	35.99%	LD2	606,040		36.0%	221,204,435	511.533
17.54%	17.54%	MD HD	295,339			107,798,634	
1.06%	1.06%	MCY	17,841			6,511,989	
		TOTAL	1,683,918	DVMT		614,630,070	

Annual Miles Traveled

614,630,070	
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Annual GHG Emissions Buildout

8.0	metric tons CH4
331,251.2	metric tons CO2
331,419.0	metric tons CO2e

NET INCREASE BAU Buildout

331,419.0	metric tons CO2e increased over 2006
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Table GHG-5: Natural Gas Calculations
2006 Natural Gas Monterey County Unincorp

	therm/yr	MMBTU/yr	metric tons CO2	metric tons CH4	metric tons N2O	metric tons CO2e
Res	15,991,626.0	1,599,162.6	84,868.9	8.0	0.2	85,086.4
Comm	19,462,577.0	1,946,257.7	103,289.6	9.7	0.2	103,554.2
Ind	415,484.0	41,548.4	2,205.0	0.0	0.0	2,207.2
TOTAL	35,869,687.0	3,586,968.7	190,363.5	17.8	0.4	190,847.8

PG&E 2006 CO2 Emission Factor	
	11.7 lb/therm

The Climate Registry CH4 and N2O Emission Factors	
5 g CH4/MMBtu	commercial and
0.1 g N2O/MMBtu	residential

The Climate Registry CH4 and N2O Emission Factors	
industrial	1 g CH4/MMBtu
	0.1 g N2O/MMBtu

Conversion Factors	
	2204.6 lb/metric ton

GWPs	
	1 CO2
	21 CH4
	310 N2O

2030 and Buildout Natural Gas Monterey County Unincorp

2030 - URBEMIS - Natural Gas	26,000	0.90718474 ST/ MT adjustment
Buildout URBEMIS - Natural Gas	95,289	

Table GHG-6: Electricity Calculations

2006 Electricity Monterey County Unincorp

	sq ft or units	kWh/unit or sq. ft	kwh/yr	metric tons CO2	metric tons CH4	metric tons N2O	metric tons CO2e
Res	38,655.0	7,287.1	281,683,455.0	58,263.5	0.9	0.5	58,428.0
Comm	232,000,560.0	3.0	706,244,834.0	146,079.9	2.1	1.2	146,492.4
Ind	217,860,984.0	0.023	4,939,200.0	1,021.6	0.0	0.0	1,024.5
Direct Access	N/A	N/A	15,223,422.0	3,148.8	0.0	0.0	3,157.7
TOTAL			1,008,090,911.0	208,513.8	3.1	1.7	209,102.6

PG&E 2006 CO2 Emission Factor		
0.456		lb/kWh

CCAR CH4 and N2O Emission Factors			
0.0067		lb/MWh	CH4
0.0037		lb/MWh	N2O

Conversion Factors		
2204.6		lb/metric ton

GWPs			
1			CO2
21			CH4
310			N2O

2030 New Electricity Monterey County Unincorp

	NEW sq ft or units	NEW kWh/unit or sq. ft	kwh/yr	metric tons CO2	metric tons CH4	metric tons N2O	metric tons CO2e
Res	10,015.0	7,287.1	72,980,463.1	15,095.3	0.2	0.1	15,137.9
Comm	3,455,216.0	13.6	47,094,594.1	9,741.1	0.1	0.1	9,768.6
Ind	6,159,160.0	0.023	139,636.4	28.9	0.0	0.0	29.0
Direct Access	N/A	N/A		0.0	0.0	0.0	0.0
TOTAL				24,865.2	0.4	0.2	24,935.5

PG&E 2006 CO2 Emission Factor		
0.456		lb/kWh

CCAR CH4 and N2O Emission Factors			
0.0067		lb/MWh	CH4
0.0037		lb/MWh	N2O

Conversion Factors		
2204.6		lb/metric ton

GWPs			
1			CO2
21			CH4
310			N2O

Buildout New Electricity Monterey County Unincorp

	NEW sq ft or units	NEW kWh/unit or sq. ft	kwh/yr	metric tons CO2	metric tons CH4	metric tons N2O	metric tons CO2e
Res	37,081.0	7,287.1	270,213,535.0	55,891.0	0.8	0.5	56,048.9
Comm	12,340,059.0	13.6	168,195,004.2	34,789.5	0.5	0.3	34,887.7
Ind	21,997,000.0	0.023	498,701.4	103.2	0.0	0.0	103.4
Direct Access	N/A	N/A		0.0	0.0	0.0	0.0
TOTAL				90,783.7	1.3	0.7	91,040.0

PG&E 2006 CO2 Emission Factor		
0.456		lb/kWh

CCAR CH4 and N2O Emission Factors			
0.0067		lb/MWh	CH4
0.0037		lb/MWh	N2O

Conversion Factors		
2204.6		lb/metric ton

GWPs			
1			CO2
21			CH4
310			N2O

Table GHG-7: Landfill Emission Calculations

138428	tons waste			
% waste by volume				
21.0%	paper			
14.6%	food			
36.5%	plant			
12.0%	wood			
ICLEI emission factors				
2.138	tons/ton paper			
1.21	food			
0.686	plant			
0.605	wood			
total waste by type		CO2e	75% methane recovery	
29069.88	paper	62,151		15,538
20210.488	food	24,455		6,114
50526.22	plant	34,661		8,665
16611.36	wood	10,050		2,512
		131,317		32,829
	2006	106,279		Landfill GHG
pop growth	2030	135,375	Increase > 2006	27%
pop growth	buildout	210,659		98%
				8,988
				32,242

crazy horse	29,880
johnson canyon	19,030
monterey peninsula	85,509
	134,420

Table GHG-8a: Offroad Emissions, Monterey County (all County, short tons)							
Category	All County				Unincorporated County		
	2006	2030	Change	Apportion	2006	2030	2092
Total	Total	Total	Percent	Total	Total	Total	
Agricultural	87,448	86,725	-724	100%	87,448	86,725	84,855
Airport Ground Support	1,367	2,108	741	100%	1,367	2,108	4,021
Construction and Mining	50,927	71,198	20,271	100%	50,927	71,198	123,564
Entertainment Equipment	257	256	0	100%	257	256	255
Industrial Equipment	10,542	12,235	1,693	population	2,552	2,748	3,254
Lawn and Garden	6,657	7,460	803	population	1,612	1,676	1,841
Light Commercial	14,137	16,476	2,339	population	3,423	3,700	4,418
Military Tactical Equipment	92	92	0	Excluded			0
Recreational (incl. pleasure. craft)	39,625	88,488	48,863	population	9,593	19,875	46,435
Railyard Operations	3	3	0	100%	3	3	3
Transportation Refrigeration Units	10,495	34,393	23,898	100%	10,495	34,393	96,130
	221,550	319,434	97,884		167,677	222,682	364,776
					55,004	197,098	

Table GHG-8b: Offroad Emissions, Monterey County (all County, metric tons)							
Category	All County				Unincorporated County		
	2006	2030	Change	Apportion	2006	2030	2092
Total	Total	Total	Percent	Total	Total	Total	
Agricultural	79,332	78,675	-656	100%	79,332	78,675	76,979
Airport Ground Support	1,240	1,912	672	100%	1,240	1,912	3,648
Construction and Mining	46,200	64,589	18,390	100%	46,200	64,589	112,096
Entertainment Equipment	233	233	0	100%	233	233	231
Industrial Equipment	9,563	11,099	1,536	population	2,315	2,493	2,952
Lawn and Garden	6,039	6,768	729	population	1,462	1,520	1,670
Light Commercial	12,825	14,946	2,122	population	3,105	3,357	4,008
Military Tactical Equipment	84	84	0	Excluded			0
Recreational (incl. pleasure. craft)	35,947	80,275	44,328	population	8,703	18,030	42,125
Railyard Operations	3	3	0	100%	3	3	3
Transportation Refrigeration Units	9,521	31,201	21,680	100%	9,521	31,201	87,207
	200,987	289,786	88,799		152,114	202,013	330,919
					49,899	178,805	

Source: CARB, OFFROAD 2007

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	2-Wheel Tractors	5	Agricultural Equipment	1.48E-02	2.19E-05	2.03E-05
2006	Annual	2-Wheel Tractors	15	Agricultural Equipment	7.14E-02	7.81E-05	6.68E-05
2006	Annual	2-Wheel Tractors	25	Agricultural Equipment	3.83E-03	2.90E-06	3.71E-06
2006	Annual	Agricultural Tractors	120	Agricultural Equipment	7.83E-01	2.31E-04	2.00E-04
2006	Annual	Agricultural Tractors	175	Agricultural Equipment	1.59E-01	4.21E-05	1.84E-05
2006	Annual	Combines	120	Agricultural Equipment	6.69E-02	1.56E-05	1.13E-05
2006	Annual	Combines	175	Agricultural Equipment	5.75E-02	1.17E-05	5.72E-06
2006	Annual	Combines	250	Agricultural Equipment	1.22E-02	2.16E-06	1.09E-06
2006	Annual	Balers	50	Agricultural Equipment	1.35E-01	4.98E-05	3.35E-05
2006	Annual	Balers	120	Agricultural Equipment	1.25E-01	4.30E-05	2.13E-05
2006	Annual	Agricultural Mowers	15	Agricultural Equipment	2.68E-02	2.94E-05	4.08E-05
2006	Annual	Agricultural Mowers	25	Agricultural Equipment	4.93E-02	3.46E-05	6.82E-05
2006	Annual	Sprayers	5	Agricultural Equipment	2.88E-02	4.63E-05	4.22E-05
2006	Annual	Sprayers	15	Agricultural Equipment	1.57E-02	1.75E-05	2.61E-05
2006	Annual	Sprayers	25	Agricultural Equipment	9.85E-02	6.81E-05	1.46E-04
2006	Annual	Sprayers	50	Agricultural Equipment	2.57E-02	1.02E-05	6.43E-06
2006	Annual	Sprayers	120	Agricultural Equipment	8.83E-02	3.08E-05	1.52E-05
2006	Annual	Sprayers	175	Agricultural Equipment	3.98E-02	1.07E-05	4.06E-06
2006	Annual	Tillers	15	Agricultural Equipment	1.76E+00	1.67E-03	2.68E-03
2006	Annual	Swathers	120	Agricultural Equipment	4.56E-01	1.39E-04	7.96E-05
2006	Annual	Swathers	175	Agricultural Equipment	4.98E-01	1.37E-04	5.09E-05
2006	Annual	Hydro Power Units	5	Agricultural Equipment	4.34E-03	6.11E-06	6.01E-06
2006	Annual	Hydro Power Units	15	Agricultural Equipment	3.67E-02	4.32E-05	3.32E-05
2006	Annual	Hydro Power Units	25	Agricultural Equipment	2.98E-02	2.36E-05	2.84E-05
2006	Annual	Hydro Power Units	50	Agricultural Equipment	9.29E-03	2.69E-06	1.90E-06
2006	Annual	Hydro Power Units	120	Agricultural Equipment	1.99E-03	3.69E-07	1.09E-07
2006	Annual	Other Agricultural Equipment	5	Agricultural Equipment	1.97E-03	3.06E-06	2.65E-06
2006	Annual	Other Agricultural Equipment	15	Agricultural Equipment	4.30E-03	3.91E-06	6.98E-06
2006	Annual	Other Agricultural Equipment	25	Agricultural Equipment	2.74E-03	1.51E-06	3.99E-06
2006	Annual	Other Agricultural Equipment	50	Agricultural Equipment	6.36E-03	2.68E-06	1.75E-06
2006	Annual	Other Agricultural Equipment	120	Agricultural Equipment	8.41E-02	2.97E-05	1.60E-05
2006	Annual	Other Agricultural Equipment	175	Agricultural Equipment	1.89E-02	5.19E-06	2.10E-06
2006	Annual	Other Agricultural Equipment	250	Agricultural Equipment	1.24E-02	2.42E-06	1.23E-06
2006	Annual	Agricultural Tractors	15	Agricultural Equipment	2.96E+00	0.00E+00	3.38E-04
2006	Annual	Agricultural Tractors	25	Agricultural Equipment	6.99E+00	0.00E+00	9.54E-04
2006	Annual	Agricultural Tractors	50	Agricultural Equipment	2.47E+01	0.00E+00	1.15E-02
2006	Annual	Agricultural Tractors	120	Agricultural Equipment	6.07E+01	0.00E+00	1.30E-02
2006	Annual	Agricultural Tractors	175	Agricultural Equipment	5.85E+01	0.00E+00	8.24E-03
2006	Annual	Agricultural Tractors	250	Agricultural Equipment	5.40E+01	0.00E+00	5.47E-03
2006	Annual	Agricultural Tractors	500	Agricultural Equipment	1.75E+01	0.00E+00	1.59E-03
2006	Annual	Combines	120	Agricultural Equipment	5.27E-01	0.00E+00	9.75E-05
2006	Annual	Combines	175	Agricultural Equipment	1.03E+00	0.00E+00	1.24E-04
2006	Annual	Combines	250	Agricultural Equipment	1.55E+00	0.00E+00	1.32E-04
2006	Annual	Combines	500	Agricultural Equipment	8.50E-02	0.00E+00	6.67E-06
2006	Annual	Balers	50	Agricultural Equipment	2.42E-04	0.00E+00	7.64E-08
2006	Annual	Balers	120	Agricultural Equipment	2.56E-01	0.00E+00	4.61E-05
2006	Annual	Agricultural Mowers	120	Agricultural Equipment	2.94E-02	0.00E+00	6.01E-06
2006	Annual	Sprayers	25	Agricultural Equipment	1.42E-02	0.00E+00	3.65E-06
2006	Annual	Sprayers	50	Agricultural Equipment	4.98E-03	0.00E+00	1.56E-06
2006	Annual	Sprayers	120	Agricultural Equipment	1.21E-01	0.00E+00	2.17E-05
2006	Annual	Sprayers	175	Agricultural Equipment	8.42E-02	0.00E+00	9.88E-06
2006	Annual	Sprayers	250	Agricultural Equipment	8.63E-02	0.00E+00	7.13E-06
2006	Annual	Sprayers	500	Agricultural Equipment	1.61E-02	0.00E+00	1.22E-06
2006	Annual	Tillers	15	Agricultural Equipment	4.42E-04	0.00E+00	5.50E-08
2006	Annual	Tillers	250	Agricultural Equipment	1.44E-03	0.00E+00	1.25E-07
2006	Annual	Tillers	500	Agricultural Equipment	7.73E-03	0.00E+00	6.13E-07
2006	Annual	Swathers	120	Agricultural Equipment	1.58E+00	0.00E+00	2.87E-04
2006	Annual	Swathers	175	Agricultural Equipment	2.71E-02	0.00E+00	3.21E-06
2006	Annual	Hydro Power Units	15	Agricultural Equipment	9.95E-03	0.00E+00	1.14E-06
2006	Annual	Hydro Power Units	25	Agricultural Equipment	5.71E-02	0.00E+00	7.80E-06
2006	Annual	Hydro Power Units	50	Agricultural Equipment	1.14E-01	0.00E+00	6.49E-05
2006	Annual	Hydro Power Units	120	Agricultural Equipment	2.10E-02	0.00E+00	4.95E-06
2006	Annual	Other Agricultural Equipment	15	Agricultural Equipment	2.54E-02	0.00E+00	3.18E-06
2006	Annual	Other Agricultural Equipment	25	Agricultural Equipment	1.30E-01	0.00E+00	2.86E-05
2006	Annual	Other Agricultural Equipment	50	Agricultural Equipment	1.76E-01	0.00E+00	7.59E-05
2006	Annual	Other Agricultural Equipment	120	Agricultural Equipment	1.19E+00	0.00E+00	2.45E-04
2006	Annual	Other Agricultural Equipment	175	Agricultural Equipment	1.79E-01	0.00E+00	2.43E-05
2006	Annual	Other Agricultural Equipment	250	Agricultural Equipment	2.60E-01	0.00E+00	2.52E-05
2006	Annual	Other Agricultural Equipment	500	Agricultural Equipment	9.02E-02	0.00E+00	7.89E-06
2006	Annual	Cargo Tractor	120	Airport Ground Support Equipment	4.54E-01	1.23E-04	1.27E-04
2006	Annual	A/C Tug Narrow Body	175	Airport Ground Support Equipment	4.60E-02	1.01E-05	5.05E-06

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	A/C Tug Wide Body	500	Airport Ground Support Equipment	4.02E-02	3.79E-06	2.97E-06
2006	Annual	Air Conditioner	175	Airport Ground Support Equipment	4.12E-05	8.61E-09	3.51E-09
2006	Annual	Air Start Unit	175	Airport Ground Support Equipment	3.90E-03	7.51E-07	3.38E-07
2006	Annual	Baggage Tug	120	Airport Ground Support Equipment	4.06E-01	8.58E-05	5.42E-05
2006	Annual	Belt Loader	120	Airport Ground Support Equipment	9.69E-02	2.88E-05	1.49E-05
2006	Annual	Bobtail	120	Airport Ground Support Equipment	6.53E-02	1.38E-05	8.71E-06
2006	Annual	Cargo Loader	120	Airport Ground Support Equipment	2.67E-02	7.72E-06	4.46E-06
2006	Annual	Cart	15	Airport Ground Support Equipment	1.81E-04	1.73E-07	1.75E-07
2006	Annual	Deicer	120	Airport Ground Support Equipment	1.00E-03	2.07E-07	1.38E-07
2006	Annual	Forklift	50	Airport Ground Support Equipment	1.11E-02	3.81E-06	2.20E-06
2006	Annual	Fuel Truck	175	Airport Ground Support Equipment	4.32E-04	1.55E-07	3.86E-08
2006	Annual	Ground Power Unit	175	Airport Ground Support Equipment	6.88E-02	9.91E-06	3.99E-06
2006	Annual	Lav Cart	15	Airport Ground Support Equipment	1.56E-05	1.50E-08	1.51E-08
2006	Annual	Lav Truck	175	Airport Ground Support Equipment	3.70E-02	1.25E-05	3.65E-06
2006	Annual	Lift	120	Airport Ground Support Equipment	3.31E-02	9.25E-06	6.62E-06
2006	Annual	Maint. Truck	175	Airport Ground Support Equipment	3.51E-02	8.97E-06	3.31E-06
2006	Annual	Other GSE	50	Airport Ground Support Equipment	8.46E-03	2.67E-06	2.09E-06
2006	Annual	Passenger Stand	175	Airport Ground Support Equipment	1.13E-02	2.80E-06	1.06E-06
2006	Annual	Sweeper	120	Airport Ground Support Equipment	7.99E-04	2.96E-07	1.57E-07
2006	Annual	Generator	120	Airport Ground Support Equipment	3.81E-03	8.60E-07	1.09E-06
2006	Annual	Service Truck	250	Airport Ground Support Equipment	1.02E-01	3.80E-05	1.19E-05
2006	Annual	Catering Truck	250	Airport Ground Support Equipment	7.31E-02	1.66E-05	8.84E-06
2006	Annual	Water Truck	175	Airport Ground Support Equipment	2.83E-03	1.07E-06	2.75E-07
2006	Annual	Hydrant truck	175	Airport Ground Support Equipment	7.61E-02	1.91E-05	1.01E-05
2006	Annual	Cargo Tractor	175	Airport Ground Support Equipment	8.10E-03	0.00E+00	9.61E-06
2006	Annual	Air Conditioner	175	Airport Ground Support Equipment	2.22E-04	0.00E+00	2.51E-07
2006	Annual	Baggage Tug	120	Airport Ground Support Equipment	6.68E-02	0.00E+00	1.72E-04
2006	Annual	Belt Loader	120	Airport Ground Support Equipment	6.44E-03	0.00E+00	1.38E-05
2006	Annual	Bobtail	120	Airport Ground Support Equipment	1.61E-03	0.00E+00	2.07E-06
2006	Annual	Cargo Loader	120	Airport Ground Support Equipment	5.67E-03	0.00E+00	1.65E-05
2006	Annual	Forklift	50	Airport Ground Support Equipment	2.23E-02	0.00E+00	2.44E-05
2006	Annual	Fuel Truck	175	Airport Ground Support Equipment	1.36E-03	0.00E+00	1.82E-06
2006	Annual	Lav Truck	175	Airport Ground Support Equipment	7.73E-04	0.00E+00	9.85E-07
2006	Annual	Lift	120	Airport Ground Support Equipment	9.81E-04	0.00E+00	1.77E-06
2006	Annual	Other	50	Airport Ground Support Equipment	7.65E-03	0.00E+00	1.98E-05
2006	Annual	Passenger Stand	175	Airport Ground Support Equipment	3.10E-05	0.00E+00	3.51E-08
2006	Annual	Sweeper	50	Airport Ground Support Equipment	1.69E-04	0.00E+00	2.41E-07
2006	Annual	Service Truck	250	Airport Ground Support Equipment	1.42E-02	0.00E+00	1.93E-05
2006	Annual	Catering Truck	250	Airport Ground Support Equipment	5.60E-03	0.00E+00	7.27E-06
2006	Annual	Cargo Tractor	120	Airport Ground Support Equipment	2.39E-02	0.00E+00	5.77E-06
2006	Annual	A/C Tug Narrow Body	250	Airport Ground Support Equipment	1.85E-01	0.00E+00	2.76E-05
2006	Annual	A/C Tug Wide Body	500	Airport Ground Support Equipment	1.04E-01	0.00E+00	1.39E-05
2006	Annual	Air Conditioner	175	Airport Ground Support Equipment	3.11E-02	0.00E+00	3.51E-06
2006	Annual	Air Conditioner	250	Airport Ground Support Equipment	3.50E-03	0.00E+00	2.24E-07
2006	Annual	Air Conditioner	500	Airport Ground Support Equipment	4.67E-03	0.00E+00	2.52E-07
2006	Annual	Air Start Unit	175	Airport Ground Support Equipment	3.52E-04	0.00E+00	4.35E-08
2006	Annual	Air Start Unit	250	Airport Ground Support Equipment	1.51E-03	0.00E+00	1.32E-07
2006	Annual	Air Start Unit	500	Airport Ground Support Equipment	1.19E-01	0.00E+00	9.26E-06
2006	Annual	Air Start Unit	750	Airport Ground Support Equipment	2.56E-02	0.00E+00	2.07E-06
2006	Annual	Baggage Tug	120	Airport Ground Support Equipment	2.27E-01	0.00E+00	6.16E-05
2006	Annual	Belt Loader	120	Airport Ground Support Equipment	5.33E-02	0.00E+00	1.35E-05
2006	Annual	Bobtail	120	Airport Ground Support Equipment	6.28E-03	0.00E+00	1.51E-06
2006	Annual	Cargo Loader	120	Airport Ground Support Equipment	1.12E-01	0.00E+00	2.63E-05
2006	Annual	Forklift	175	Airport Ground Support Equipment	1.18E-02	0.00E+00	1.69E-06
2006	Annual	Fuel Truck	250	Airport Ground Support Equipment	5.40E-03	0.00E+00	5.35E-07
2006	Annual	Ground Power Unit	175	Airport Ground Support Equipment	3.24E-01	0.00E+00	4.74E-05
2006	Annual	Lav Truck	175	Airport Ground Support Equipment	2.39E-03	0.00E+00	3.75E-07
2006	Annual	Lift	120	Airport Ground Support Equipment	2.07E-02	0.00E+00	4.54E-06
2006	Annual	Other GSE	175	Airport Ground Support Equipment	5.26E-02	0.00E+00	8.78E-06
2006	Annual	Passenger Stand	120	Airport Ground Support Equipment	2.89E-04	0.00E+00	4.88E-08
2006	Annual	Sweeper	120	Airport Ground Support Equipment	1.52E-03	0.00E+00	2.55E-07
2006	Annual	Generator	120	Airport Ground Support Equipment	1.40E-02	0.00E+00	3.40E-06
2006	Annual	Generator	175	Airport Ground Support Equipment	1.44E-01	0.00E+00	2.32E-05
2006	Annual	Generator	250	Airport Ground Support Equipment	2.16E-01	0.00E+00	2.45E-05
2006	Annual	Generator	500	Airport Ground Support Equipment	3.63E-02	0.00E+00	3.66E-06
2006	Annual	Generator	750	Airport Ground Support Equipment	7.80E-02	0.00E+00	7.98E-06
2006	Annual	Service Truck	175	Airport Ground Support Equipment	5.05E-03	0.00E+00	6.69E-07
2006	Annual	Catering Truck	250	Airport Ground Support Equipment	3.23E-03	0.00E+00	2.21E-07
2006	Annual	Hydrant Truck	175	Airport Ground Support Equipment	1.07E-02	0.00E+00	1.51E-06
2006	Annual	Compressor (GSE)	120	Airport Ground Support Equipment	1.62E-03	0.00E+00	3.58E-07
2006	Annual	Compressor (GSE)	250	Airport Ground Support Equipment	6.61E-04	0.00E+00	6.91E-08

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Compressor (GSE)	500	Airport Ground Support Equipment	5.45E-03	0.00E+00	5.02E-07
2006	Annual	Compressor (GSE)	750	Airport Ground Support Equipment	2.62E-02	0.00E+00	2.47E-06
2006	Annual	Tampers/Rammers	15	Construction and Mining Equipment	1.11E-02	1.62E-05	9.40E-06
2006	Annual	Plate Compactors	15	Construction and Mining Equipment	1.07E-03	1.59E-06	8.51E-07
2006	Annual	Asphalt Pavers	15	Construction and Mining Equipment	1.42E-03	1.44E-06	1.25E-06
2006	Annual	Asphalt Pavers	25	Construction and Mining Equipment	5.92E-03	3.81E-06	5.51E-06
2006	Annual	Asphalt Pavers	50	Construction and Mining Equipment	8.82E-03	3.26E-06	2.94E-06
2006	Annual	Asphalt Pavers	120	Construction and Mining Equipment	9.13E-03	3.07E-06	2.11E-06
2006	Annual	Tampers/Rammers	15	Construction and Mining Equipment	1.15E-03	1.13E-06	1.65E-06
2006	Annual	Plate Compactors	5	Construction and Mining Equipment	1.85E-02	2.93E-05	2.58E-05
2006	Annual	Plate Compactors	15	Construction and Mining Equipment	4.50E-02	4.77E-05	6.06E-05
2006	Annual	Rollers	5	Construction and Mining Equipment	1.34E-03	1.70E-06	1.70E-06
2006	Annual	Rollers	15	Construction and Mining Equipment	1.46E-02	1.50E-05	1.36E-05
2006	Annual	Rollers	25	Construction and Mining Equipment	2.08E-02	1.45E-05	2.00E-05
2006	Annual	Rollers	50	Construction and Mining Equipment	1.07E-02	3.75E-06	4.13E-06
2006	Annual	Rollers	120	Construction and Mining Equipment	4.03E-02	1.24E-05	1.08E-05
2006	Annual	Paving Equipment	5	Construction and Mining Equipment	2.63E-02	4.00E-05	3.62E-05
2006	Annual	Paving Equipment	15	Construction and Mining Equipment	1.31E-01	1.21E-04	1.76E-04
2006	Annual	Paving Equipment	25	Construction and Mining Equipment	6.39E-03	3.84E-06	8.02E-06
2006	Annual	Paving Equipment	50	Construction and Mining Equipment	1.11E-02	3.98E-06	3.08E-06
2006	Annual	Paving Equipment	120	Construction and Mining Equipment	5.06E-03	1.71E-06	9.67E-07
2006	Annual	Surfacing Equipment	5	Construction and Mining Equipment	5.89E-03	8.92E-06	8.31E-06
2006	Annual	Surfacing Equipment	15	Construction and Mining Equipment	7.04E-02	8.79E-05	6.85E-05
2006	Annual	Surfacing Equipment	25	Construction and Mining Equipment	2.29E-03	1.82E-06	2.31E-06
2006	Annual	Signal Boards	5	Construction and Mining Equipment	7.33E-05	8.67E-08	9.57E-08
2006	Annual	Signal Boards	15	Construction and Mining Equipment	1.82E-03	1.80E-06	1.69E-06
2006	Annual	Trenchers	15	Construction and Mining Equipment	2.80E-02	2.73E-05	2.50E-05
2006	Annual	Trenchers	25	Construction and Mining Equipment	4.55E-02	3.01E-05	4.29E-05
2006	Annual	Trenchers	50	Construction and Mining Equipment	5.44E-02	2.02E-05	1.80E-05
2006	Annual	Trenchers	120	Construction and Mining Equipment	3.92E-02	1.23E-05	8.98E-06
2006	Annual	Bore/Drill Rigs	15	Construction and Mining Equipment	2.74E-04	2.12E-07	3.86E-07
2006	Annual	Bore/Drill Rigs	25	Construction and Mining Equipment	2.45E-03	1.35E-06	3.17E-06
2006	Annual	Bore/Drill Rigs	50	Construction and Mining Equipment	8.93E-04	2.90E-07	2.30E-07
2006	Annual	Bore/Drill Rigs	120	Construction and Mining Equipment	1.11E-02	2.79E-06	1.97E-06
2006	Annual	Bore/Drill Rigs	175	Construction and Mining Equipment	3.84E-03	8.79E-07	3.94E-07
2006	Annual	Concrete/Industrial Saws	5	Construction and Mining Equipment	2.08E-03	2.69E-06	2.71E-06
2006	Annual	Concrete/Industrial Saws	15	Construction and Mining Equipment	5.01E-02	4.64E-05	4.67E-05
2006	Annual	Concrete/Industrial Saws	25	Construction and Mining Equipment	2.96E-02	1.95E-05	2.85E-05
2006	Annual	Concrete/Industrial Saws	50	Construction and Mining Equipment	2.05E-02	3.54E-06	1.58E-06
2006	Annual	Concrete/Industrial Saws	120	Construction and Mining Equipment	2.19E-02	3.03E-06	7.21E-07
2006	Annual	Cement and Mortar Mixers	5	Construction and Mining Equipment	2.52E-02	3.32E-05	3.29E-05
2006	Annual	Cement and Mortar Mixers	15	Construction and Mining Equipment	6.84E-02	6.57E-05	1.17E-04
2006	Annual	Cement and Mortar Mixers	25	Construction and Mining Equipment	9.00E-04	4.74E-07	1.37E-06
2006	Annual	Cranes	50	Construction and Mining Equipment	2.71E-03	1.07E-06	9.06E-07
2006	Annual	Cranes	120	Construction and Mining Equipment	1.07E-02	3.75E-06	2.47E-06
2006	Annual	Cranes	175	Construction and Mining Equipment	7.04E-04	2.10E-07	7.87E-08
2006	Annual	Crushing/Proc. Equipment	15	Construction and Mining Equipment	5.60E-04	4.96E-07	5.18E-07
2006	Annual	Crushing/Proc. Equipment	25	Construction and Mining Equipment	6.52E-04	6.23E-07	6.24E-07
2006	Annual	Crushing/Proc. Equipment	120	Construction and Mining Equipment	8.46E-03	1.97E-06	1.70E-06
2006	Annual	Rough Terrain Forklifts	50	Construction and Mining Equipment	1.84E-03	5.65E-07	6.13E-07
2006	Annual	Rough Terrain Forklifts	120	Construction and Mining Equipment	4.66E-02	1.33E-05	1.08E-05
2006	Annual	Rough Terrain Forklifts	175	Construction and Mining Equipment	2.67E-03	6.54E-07	2.98E-07
2006	Annual	Rubber Tired Loaders	50	Construction and Mining Equipment	4.15E-03	1.51E-06	1.49E-06
2006	Annual	Rubber Tired Loaders	120	Construction and Mining Equipment	4.90E-02	1.66E-05	1.22E-05
2006	Annual	Tractors/Loaders/Backhoes	120	Construction and Mining Equipment	3.44E-02	1.30E-05	9.55E-06
2006	Annual	Skid Steer Loaders	15	Construction and Mining Equipment	1.29E-03	1.10E-06	1.33E-06
2006	Annual	Skid Steer Loaders	25	Construction and Mining Equipment	1.17E-01	8.28E-05	1.21E-04
2006	Annual	Skid Steer Loaders	50	Construction and Mining Equipment	5.89E-02	2.01E-05	1.40E-05
2006	Annual	Skid Steer Loaders	120	Construction and Mining Equipment	8.71E-02	2.35E-05	1.39E-05
2006	Annual	Dumpers/Tenders	5	Construction and Mining Equipment	1.16E-03	2.11E-06	1.66E-06
2006	Annual	Dumpers/Tenders	15	Construction and Mining Equipment	5.57E-03	6.07E-06	9.83E-06
2006	Annual	Dumpers/Tenders	25	Construction and Mining Equipment	2.18E-03	1.56E-06	3.41E-06
2006	Annual	Dumpers/Tenders	120	Construction and Mining Equipment	9.18E-04	3.57E-07	1.66E-07
2006	Annual	Other Construction Equipment	175	Construction and Mining Equipment	2.27E-02	5.52E-06	1.85E-06
2006	Annual	Pavers	25	Construction and Mining Equipment	2.22E-03	0.00E+00	4.42E-07
2006	Annual	Pavers	50	Construction and Mining Equipment	1.98E-01	0.00E+00	1.25E-04
2006	Annual	Pavers	120	Construction and Mining Equipment	5.77E-01	0.00E+00	1.52E-04
2006	Annual	Pavers	175	Construction and Mining Equipment	6.65E-01	0.00E+00	1.16E-04
2006	Annual	Pavers	250	Construction and Mining Equipment	1.21E-01	0.00E+00	1.70E-05
2006	Annual	Pavers	500	Construction and Mining Equipment	1.49E-01	0.00E+00	1.85E-05
2006	Annual	Plate Compactors	15	Construction and Mining Equipment	8.06E-03	0.00E+00	9.55E-07

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Rollers	15	Construction and Mining Equipment	2.57E-02	0.00E+00	2.94E-06
2006	Annual	Rollers	25	Construction and Mining Equipment	2.27E-02	0.00E+00	3.04E-06
2006	Annual	Rollers	50	Construction and Mining Equipment	1.39E-01	0.00E+00	7.69E-05
2006	Annual	Rollers	120	Construction and Mining Equipment	1.69E+00	0.00E+00	3.97E-04
2006	Annual	Rollers	175	Construction and Mining Equipment	1.25E+00	0.00E+00	1.92E-04
2006	Annual	Rollers	250	Construction and Mining Equipment	2.50E-01	0.00E+00	2.95E-05
2006	Annual	Rollers	500	Construction and Mining Equipment	2.51E-01	0.00E+00	2.62E-05
2006	Annual	Scrapers	120	Construction and Mining Equipment	3.97E-02	0.00E+00	1.06E-05
2006	Annual	Scrapers	175	Construction and Mining Equipment	5.73E-01	0.00E+00	1.01E-04
2006	Annual	Scrapers	250	Construction and Mining Equipment	7.90E-01	0.00E+00	1.10E-04
2006	Annual	Scrapers	500	Construction and Mining Equipment	3.34E+00	0.00E+00	4.11E-04
2006	Annual	Scrapers	750	Construction and Mining Equipment	2.88E-01	0.00E+00	3.58E-05
2006	Annual	Paving Equipment	25	Construction and Mining Equipment	2.63E-03	0.00E+00	3.53E-07
2006	Annual	Paving Equipment	50	Construction and Mining Equipment	4.27E-03	0.00E+00	2.67E-06
2006	Annual	Paving Equipment	120	Construction and Mining Equipment	1.40E-01	0.00E+00	3.65E-05
2006	Annual	Paving Equipment	175	Construction and Mining Equipment	1.22E-01	0.00E+00	2.11E-05
2006	Annual	Paving Equipment	250	Construction and Mining Equipment	4.17E-02	0.00E+00	5.78E-06
2006	Annual	Surfacing Equipment	50	Construction and Mining Equipment	1.24E-03	0.00E+00	5.92E-07
2006	Annual	Surfacing Equipment	120	Construction and Mining Equipment	1.12E-03	0.00E+00	2.45E-07
2006	Annual	Surfacing Equipment	175	Construction and Mining Equipment	1.13E-03	0.00E+00	1.62E-07
2006	Annual	Surfacing Equipment	250	Construction and Mining Equipment	3.56E-03	0.00E+00	3.88E-07
2006	Annual	Surfacing Equipment	500	Construction and Mining Equipment	4.86E-02	0.00E+00	4.72E-06
2006	Annual	Surfacing Equipment	750	Construction and Mining Equipment	1.40E-02	0.00E+00	1.38E-06
2006	Annual	Signal Boards	15	Construction and Mining Equipment	1.26E-01	0.00E+00	1.36E-05
2006	Annual	Signal Boards	50	Construction and Mining Equipment	2.62E-03	0.00E+00	1.19E-06
2006	Annual	Signal Boards	120	Construction and Mining Equipment	9.50E-02	0.00E+00	1.99E-05
2006	Annual	Signal Boards	175	Construction and Mining Equipment	1.14E-01	0.00E+00	1.56E-05
2006	Annual	Signal Boards	250	Construction and Mining Equipment	3.96E-02	0.00E+00	3.76E-06
2006	Annual	Trenchers	15	Construction and Mining Equipment	3.79E-03	0.00E+00	4.09E-07
2006	Annual	Trenchers	25	Construction and Mining Equipment	1.55E-02	0.00E+00	1.94E-06
2006	Annual	Trenchers	50	Construction and Mining Equipment	6.09E-01	0.00E+00	3.66E-04
2006	Annual	Trenchers	120	Construction and Mining Equipment	1.63E+00	0.00E+00	4.19E-04
2006	Annual	Trenchers	175	Construction and Mining Equipment	3.95E-01	0.00E+00	6.76E-05
2006	Annual	Trenchers	250	Construction and Mining Equipment	5.48E-02	0.00E+00	7.62E-06
2006	Annual	Trenchers	500	Construction and Mining Equipment	9.76E-02	0.00E+00	1.20E-05
2006	Annual	Trenchers	750	Construction and Mining Equipment	6.61E-03	0.00E+00	8.21E-07
2006	Annual	Bore/Drill Rigs	15	Construction and Mining Equipment	8.11E-04	0.00E+00	9.27E-08
2006	Annual	Bore/Drill Rigs	25	Construction and Mining Equipment	3.76E-03	0.00E+00	5.04E-07
2006	Annual	Bore/Drill Rigs	50	Construction and Mining Equipment	3.34E-02	0.00E+00	1.11E-05
2006	Annual	Bore/Drill Rigs	120	Construction and Mining Equipment	2.55E-01	0.00E+00	4.14E-05
2006	Annual	Bore/Drill Rigs	175	Construction and Mining Equipment	1.08E-01	0.00E+00	1.10E-05
2006	Annual	Bore/Drill Rigs	250	Construction and Mining Equipment	1.24E-01	0.00E+00	7.18E-06
2006	Annual	Bore/Drill Rigs	500	Construction and Mining Equipment	4.55E-01	0.00E+00	2.25E-05
2006	Annual	Bore/Drill Rigs	750	Construction and Mining Equipment	1.43E-01	0.00E+00	7.49E-06
2006	Annual	Bore/Drill Rigs	1000	Construction and Mining Equipment	3.62E-01	0.00E+00	2.77E-05
2006	Annual	Excavators	25	Construction and Mining Equipment	8.21E-03	0.00E+00	9.58E-07
2006	Annual	Excavators	50	Construction and Mining Equipment	4.78E-01	0.00E+00	2.81E-04
2006	Annual	Excavators	120	Construction and Mining Equipment	3.82E+00	0.00E+00	8.97E-04
2006	Annual	Excavators	175	Construction and Mining Equipment	1.12E+01	0.00E+00	1.73E-03
2006	Annual	Excavators	250	Construction and Mining Equipment	6.46E+00	0.00E+00	6.80E-04
2006	Annual	Excavators	500	Construction and Mining Equipment	6.87E+00	0.00E+00	6.45E-04
2006	Annual	Excavators	750	Construction and Mining Equipment	7.63E-02	0.00E+00	7.26E-06
2006	Annual	Concrete/Industrial Saws	25	Construction and Mining Equipment	3.77E-04	0.00E+00	4.70E-08
2006	Annual	Concrete/Industrial Saws	50	Construction and Mining Equipment	5.93E-03	0.00E+00	2.84E-06
2006	Annual	Concrete/Industrial Saws	120	Construction and Mining Equipment	2.54E-02	0.00E+00	5.42E-06
2006	Annual	Concrete/Industrial Saws	175	Construction and Mining Equipment	1.80E-03	0.00E+00	2.52E-07
2006	Annual	Cement and Mortar Mixers	15	Construction and Mining Equipment	9.37E-03	0.00E+00	1.32E-06
2006	Annual	Cement and Mortar Mixers	25	Construction and Mining Equipment	2.34E-03	0.00E+00	5.46E-07
2006	Annual	Cranes	50	Construction and Mining Equipment	9.76E-03	0.00E+00	6.21E-06
2006	Annual	Cranes	120	Construction and Mining Equipment	2.32E-01	0.00E+00	5.88E-05
2006	Annual	Cranes	175	Construction and Mining Equipment	3.71E-01	0.00E+00	6.22E-05
2006	Annual	Cranes	250	Construction and Mining Equipment	1.00E+00	0.00E+00	1.27E-04
2006	Annual	Cranes	500	Construction and Mining Equipment	5.91E-01	0.00E+00	6.65E-05
2006	Annual	Cranes	750	Construction and Mining Equipment	2.23E-01	0.00E+00	2.54E-05
2006	Annual	Cranes	9999	Construction and Mining Equipment	8.97E-01	0.00E+00	1.13E-04
2006	Annual	Graders	50	Construction and Mining Equipment	3.58E-03	0.00E+00	2.15E-06
2006	Annual	Graders	120	Construction and Mining Equipment	6.50E-01	0.00E+00	1.58E-04
2006	Annual	Graders	175	Construction and Mining Equipment	3.67E+00	0.00E+00	5.87E-04
2006	Annual	Graders	250	Construction and Mining Equipment	3.16E+00	0.00E+00	3.70E-04
2006	Annual	Graders	500	Construction and Mining Equipment	1.19E-01	0.00E+00	1.24E-05
2006	Annual	Graders	750	Construction and Mining Equipment	4.13E-03	0.00E+00	4.34E-07

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Off-Highway Trucks	175	Construction and Mining Equipment	1.56E-01	0.00E+00	2.51E-05
2006	Annual	Off-Highway Trucks	250	Construction and Mining Equipment	1.53E+00	0.00E+00	1.71E-04
2006	Annual	Off-Highway Trucks	500	Construction and Mining Equipment	3.53E+00	0.00E+00	3.55E-04
2006	Annual	Off-Highway Trucks	750	Construction and Mining Equipment	1.63E+00	0.00E+00	1.65E-04
2006	Annual	Off-Highway Trucks	1000	Construction and Mining Equipment	1.08E+00	0.00E+00	1.25E-04
2006	Annual	Crushing/Proc. Equipment	50	Construction and Mining Equipment	6.50E-02	0.00E+00	3.63E-05
2006	Annual	Crushing/Proc. Equipment	120	Construction and Mining Equipment	3.46E-01	0.00E+00	8.05E-05
2006	Annual	Crushing/Proc. Equipment	175	Construction and Mining Equipment	2.95E-01	0.00E+00	4.51E-05
2006	Annual	Crushing/Proc. Equipment	250	Construction and Mining Equipment	4.29E-02	0.00E+00	4.53E-06
2006	Annual	Crushing/Proc. Equipment	500	Construction and Mining Equipment	3.69E-01	0.00E+00	3.44E-05
2006	Annual	Crushing/Proc. Equipment	750	Construction and Mining Equipment	8.29E-03	0.00E+00	7.81E-07
2006	Annual	Crushing/Proc. Equipment	9999	Construction and Mining Equipment	1.84E-02	0.00E+00	2.15E-06
2006	Annual	Rough Terrain Forklifts	50	Construction and Mining Equipment	4.12E-02	0.00E+00	2.36E-05
2006	Annual	Rough Terrain Forklifts	120	Construction and Mining Equipment	3.64E+00	0.00E+00	8.44E-04
2006	Annual	Rough Terrain Forklifts	175	Construction and Mining Equipment	9.32E-01	0.00E+00	1.42E-04
2006	Annual	Rough Terrain Forklifts	250	Construction and Mining Equipment	7.11E-02	0.00E+00	7.63E-06
2006	Annual	Rough Terrain Forklifts	500	Construction and Mining Equipment	7.03E-02	0.00E+00	6.68E-06
2006	Annual	Rubber Tired Loaders	25	Construction and Mining Equipment	2.19E-03	0.00E+00	2.73E-07
2006	Annual	Rubber Tired Loaders	50	Construction and Mining Equipment	8.02E-02	0.00E+00	4.77E-05
2006	Annual	Rubber Tired Loaders	120	Construction and Mining Equipment	4.12E+00	0.00E+00	9.92E-04
2006	Annual	Rubber Tired Loaders	175	Construction and Mining Equipment	4.19E+00	0.00E+00	6.64E-04
2006	Annual	Rubber Tired Loaders	250	Construction and Mining Equipment	5.84E+00	0.00E+00	6.74E-04
2006	Annual	Rubber Tired Loaders	500	Construction and Mining Equipment	3.87E+00	0.00E+00	3.95E-04
2006	Annual	Rubber Tired Loaders	750	Construction and Mining Equipment	1.70E-01	0.00E+00	1.76E-05
2006	Annual	Rubber Tired Loaders	1000	Construction and Mining Equipment	2.23E-02	0.00E+00	2.64E-06
2006	Annual	Rubber Tired Loaders	175	Construction and Mining Equipment	2.06E-02	0.00E+00	4.05E-06
2006	Annual	Rubber Tired Dozers	250	Construction and Mining Equipment	7.15E-01	0.00E+00	1.15E-04
2006	Annual	Rubber Tired Dozers	500	Construction and Mining Equipment	1.59E+00	0.00E+00	2.28E-04
2006	Annual	Rubber Tired Dozers	750	Construction and Mining Equipment	2.57E-01	0.00E+00	3.71E-05
2006	Annual	Rubber Tired Dozers	1000	Construction and Mining Equipment	2.58E-02	0.00E+00	3.94E-06
2006	Annual	Tractors/Loaders/Backhoes	25	Construction and Mining Equipment	4.07E-02	0.00E+00	6.72E-06
2006	Annual	Tractors/Loaders/Backhoes	50	Construction and Mining Equipment	4.76E-01	0.00E+00	2.58E-04
2006	Annual	Tractors/Loaders/Backhoes	120	Construction and Mining Equipment	1.09E+01	0.00E+00	2.40E-03
2006	Annual	Tractors/Loaders/Backhoes	175	Construction and Mining Equipment	1.59E+00	0.00E+00	2.30E-04
2006	Annual	Tractors/Loaders/Backhoes	250	Construction and Mining Equipment	8.70E-01	0.00E+00	8.46E-05
2006	Annual	Tractors/Loaders/Backhoes	500	Construction and Mining Equipment	2.82E+00	0.00E+00	2.42E-04
2006	Annual	Tractors/Loaders/Backhoes	750	Construction and Mining Equipment	8.90E-01	0.00E+00	7.80E-05
2006	Annual	Crawler Tractors	50	Construction and Mining Equipment	3.57E-03	0.00E+00	2.35E-06
2006	Annual	Crawler Tractors	120	Construction and Mining Equipment	5.36E+00	0.00E+00	1.42E-03
2006	Annual	Crawler Tractors	175	Construction and Mining Equipment	3.34E+00	0.00E+00	5.89E-04
2006	Annual	Crawler Tractors	250	Construction and Mining Equipment	3.93E+00	0.00E+00	5.39E-04
2006	Annual	Crawler Tractors	500	Construction and Mining Equipment	4.20E+00	0.00E+00	5.12E-04
2006	Annual	Crawler Tractors	750	Construction and Mining Equipment	1.16E-01	0.00E+00	1.43E-05
2006	Annual	Crawler Tractors	1000	Construction and Mining Equipment	1.64E-01	0.00E+00	2.22E-05
2006	Annual	Skid Steer Loaders	25	Construction and Mining Equipment	2.14E-01	0.00E+00	4.75E-05
2006	Annual	Skid Steer Loaders	50	Construction and Mining Equipment	3.68E+00	0.00E+00	1.61E-03
2006	Annual	Skid Steer Loaders	120	Construction and Mining Equipment	3.23E+00	0.00E+00	6.27E-04
2006	Annual	Off-Highway Tractors	120	Construction and Mining Equipment	1.02E-03	0.00E+00	2.90E-07
2006	Annual	Off-Highway Tractors	175	Construction and Mining Equipment	1.74E+00	0.00E+00	3.31E-04
2006	Annual	Off-Highway Tractors	250	Construction and Mining Equipment	1.64E+00	0.00E+00	2.56E-04
2006	Annual	Off-Highway Tractors	750	Construction and Mining Equipment	9.48E-01	0.00E+00	1.32E-04
2006	Annual	Off-Highway Tractors	1000	Construction and Mining Equipment	1.43E-01	0.00E+00	2.13E-05
2006	Annual	Dumpers/Tenders	25	Construction and Mining Equipment	1.17E-03	0.00E+00	2.15E-07
2006	Annual	Other Construction Equipment	15	Construction and Mining Equipment	2.23E-02	0.00E+00	2.55E-06
2006	Annual	Other Construction Equipment	25	Construction and Mining Equipment	4.94E-03	0.00E+00	6.61E-07
2006	Annual	Other Construction Equipment	50	Construction and Mining Equipment	1.64E-02	0.00E+00	7.71E-06
2006	Annual	Other Construction Equipment	120	Construction and Mining Equipment	7.80E-02	0.00E+00	1.61E-05
2006	Annual	Other Construction Equipment	175	Construction and Mining Equipment	1.42E-01	0.00E+00	1.90E-05
2006	Annual	Other Construction Equipment	500	Construction and Mining Equipment	7.86E-01	0.00E+00	6.33E-05
2006	Annual	Compressor (Dredging)	50	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressor (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressor (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressor (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressor (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressor (Dredging)	1000	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Crane (Dredging)	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Deck/door engine	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Dredger	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Dredger	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Dredger	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Dredger	9999	Dredging	0.00E+00	0.00E+00	0.00E+00

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Hoist/swing/winch	50	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Hoist/swing/winch	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Hoist/swing/winch	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Hoist/swing/winch	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Hoist/swing/winch	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Hoist/swing/winch	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Hoist/swing/winch	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Dredging)	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Dredging)	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	50	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Dredging)	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Entertainment)	50	Entertainment Equipment	9.98E-04	0.00E+00	4.11E-07
2006	Annual	Generator (Entertainment)	120	Entertainment Equipment	4.99E-02	0.00E+00	1.01E-05
2006	Annual	Generator (Entertainment)	175	Entertainment Equipment	6.92E-02	0.00E+00	9.17E-06
2006	Annual	Generator (Entertainment)	250	Entertainment Equipment	1.41E-01	0.00E+00	1.39E-05
2006	Annual	Generator (Entertainment)	500	Entertainment Equipment	3.07E-01	0.00E+00	2.74E-05
2006	Annual	Generator (Entertainment)	750	Entertainment Equipment	1.06E-01	0.00E+00	9.65E-06
2006	Annual	Generator (Entertainment)	9999	Entertainment Equipment	2.76E-02	0.00E+00	3.08E-06
2006	Annual	Compressor (Entertainment)	120	Entertainment Equipment	4.82E-04	0.00E+00	1.14E-07
2006	Annual	Other General Industrial Equipmen	15	Industrial Equipment	8.72E-04	9.64E-07	6.78E-07
2006	Annual	Aerial Lifts	15	Industrial Equipment	2.33E-04	2.36E-07	2.04E-07
2006	Annual	Aerial Lifts	25	Industrial Equipment	1.45E-02	1.15E-05	1.52E-05
2006	Annual	Aerial Lifts	50	Industrial Equipment	5.42E-02	2.08E-05	1.39E-05
2006	Annual	Aerial Lifts	120	Industrial Equipment	1.09E-01	3.64E-05	1.88E-05
2006	Annual	Forklifts	25	Industrial Equipment	6.46E-04	6.00E-07	6.24E-07
2006	Annual	Forklifts	50	Industrial Equipment	7.30E-01	3.30E-04	2.68E-04
2006	Annual	Forklifts	120	Industrial Equipment	4.33E+00	1.66E-03	1.04E-03
2006	Annual	Forklifts	175	Industrial Equipment	3.21E-01	9.08E-05	3.18E-05
2006	Annual	Sweepers/Scrubbers	15	Industrial Equipment	4.63E-03	4.68E-06	3.88E-06
2006	Annual	Sweepers/Scrubbers	25	Industrial Equipment	1.02E-02	6.83E-06	9.34E-06
2006	Annual	Sweepers/Scrubbers	50	Industrial Equipment	1.18E-01	3.16E-05	2.20E-05
2006	Annual	Sweepers/Scrubbers	120	Industrial Equipment	1.89E-01	4.21E-05	2.21E-05
2006	Annual	Sweepers/Scrubbers	175	Industrial Equipment	2.20E-03	3.68E-07	1.45E-07
2006	Annual	Other General Industrial Equipmen	15	Industrial Equipment	9.68E-03	1.14E-05	8.46E-06
2006	Annual	Other General Industrial Equipmen	25	Industrial Equipment	8.18E-03	6.40E-06	7.84E-06
2006	Annual	Other General Industrial Equipmen	50	Industrial Equipment	3.65E-02	1.29E-05	8.66E-06
2006	Annual	Other General Industrial Equipmen	120	Industrial Equipment	3.12E-02	8.00E-06	4.80E-06
2006	Annual	Other General Industrial Equipmen	175	Industrial Equipment	6.47E-03	1.21E-06	5.08E-07
2006	Annual	Other Material Handling Equipment	50	Industrial Equipment	3.74E-04	1.32E-07	1.17E-07
2006	Annual	Other Material Handling Equipment	120	Industrial Equipment	2.16E-02	8.08E-06	4.62E-06
2006	Annual	Aerial Lifts	15	Industrial Equipment	4.10E-04	0.00E+00	1.43E-06
2006	Annual	Aerial Lifts	25	Industrial Equipment	2.57E-02	0.00E+00	1.38E-04
2006	Annual	Forklifts	25	Industrial Equipment	6.63E-04	0.00E+00	6.74E-06
2006	Annual	Forklifts	50	Industrial Equipment	1.15E+00	0.00E+00	2.43E-03
2006	Annual	Forklifts	120	Industrial Equipment	6.91E+00	0.00E+00	1.58E-02
2006	Annual	Forklifts	175	Industrial Equipment	5.27E-01	0.00E+00	6.42E-04
2006	Annual	Aerial Lifts	15	Industrial Equipment	9.36E-03	0.00E+00	1.25E-06
2006	Annual	Aerial Lifts	25	Industrial Equipment	1.94E-02	0.00E+00	4.56E-06
2006	Annual	Aerial Lifts	50	Industrial Equipment	1.22E-01	0.00E+00	5.02E-05
2006	Annual	Aerial Lifts	120	Industrial Equipment	2.10E-01	0.00E+00	4.23E-05
2006	Annual	Aerial Lifts	500	Industrial Equipment	1.50E-01	0.00E+00	1.24E-05
2006	Annual	Aerial Lifts	750	Industrial Equipment	2.18E-02	0.00E+00	1.85E-06
2006	Annual	Forklifts	50	Industrial Equipment	1.30E-01	0.00E+00	7.97E-05
2006	Annual	Forklifts	120	Industrial Equipment	4.32E-01	0.00E+00	1.05E-04
2006	Annual	Forklifts	175	Industrial Equipment	7.80E-01	0.00E+00	1.25E-04
2006	Annual	Forklifts	250	Industrial Equipment	1.07E+00	0.00E+00	1.04E-04
2006	Annual	Forklifts	500	Industrial Equipment	6.56E-01	0.00E+00	5.71E-05
2006	Annual	Sweepers/Scrubbers	15	Industrial Equipment	2.79E-03	0.00E+00	2.73E-07

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Sweepers/Scrubbers	25	Industrial Equipment	4.59E-03	0.00E+00	5.45E-07
2006	Annual	Sweepers/Scrubbers	50	Industrial Equipment	2.70E-01	0.00E+00	1.60E-04
2006	Annual	Sweepers/Scrubbers	120	Industrial Equipment	1.06E+00	0.00E+00	2.53E-04
2006	Annual	Sweepers/Scrubbers	175	Industrial Equipment	9.06E-01	0.00E+00	1.42E-04
2006	Annual	Sweepers/Scrubbers	250	Industrial Equipment	1.69E-01	0.00E+00	1.69E-05
2006	Annual	Other General Industrial Equipmen	15	Industrial Equipment	8.61E-03	0.00E+00	8.42E-07
2006	Annual	Other General Industrial Equipmen	25	Industrial Equipment	2.77E-02	0.00E+00	3.21E-06
2006	Annual	Other General Industrial Equipmen	50	Industrial Equipment	4.86E-02	0.00E+00	3.06E-05
2006	Annual	Other General Industrial Equipmen	120	Industrial Equipment	5.54E-01	0.00E+00	1.39E-04
2006	Annual	Other General Industrial Equipmen	175	Industrial Equipment	8.60E-01	0.00E+00	1.43E-04
2006	Annual	Other General Industrial Equipmen	250	Industrial Equipment	1.21E+00	0.00E+00	1.38E-04
2006	Annual	Other General Industrial Equipmen	500	Industrial Equipment	2.37E+00	0.00E+00	2.39E-04
2006	Annual	Other General Industrial Equipmen	750	Industrial Equipment	9.74E-01	0.00E+00	9.99E-05
2006	Annual	Other General Industrial Equipmen	1000	Industrial Equipment	7.58E-01	0.00E+00	9.27E-05
2006	Annual	Other Material Handling Equipment	50	Industrial Equipment	1.80E-03	0.00E+00	1.12E-06
2006	Annual	Other Material Handling Equipment	120	Industrial Equipment	2.16E-02	0.00E+00	5.37E-06
2006	Annual	Other Material Handling Equipment	175	Industrial Equipment	4.65E-02	0.00E+00	7.64E-06
2006	Annual	Other Material Handling Equipment	250	Industrial Equipment	1.31E-01	0.00E+00	1.49E-05
2006	Annual	Other Material Handling Equipment	500	Industrial Equipment	3.25E-02	0.00E+00	3.26E-06
2006	Annual	Other Material Handling Equipment	9999	Industrial Equipment	3.77E-02	0.00E+00	4.59E-06
2006	Annual	Lawn Mowers	15	Lawn and Garden Equipment	1.60E-01	3.06E-04	2.20E-04
2006	Annual	Lawn Mowers	15	Lawn and Garden Equipment	8.14E-02	1.02E-04	6.78E-04
2006	Annual	Chainsaws	2	Lawn and Garden Equipment	1.30E-01	2.15E-04	1.65E-03
2006	Annual	Chainsaws	2	Lawn and Garden Equipment	2.47E-02	3.94E-05	3.66E-04
2006	Annual	Chainsaws	15	Lawn and Garden Equipment	2.21E-01	2.42E-04	2.80E-03
2006	Annual	Chainsaws	15	Lawn and Garden Equipment	4.20E-02	4.30E-05	5.12E-04
2006	Annual	Chainsaws Preempt	15	Lawn and Garden Equipment	2.75E-01	3.02E-04	3.49E-03
2006	Annual	Chainsaws Preempt	15	Lawn and Garden Equipment	5.23E-02	4.69E-05	8.11E-04
2006	Annual	Trimmers/Edgers/Brush Cutters	2	Lawn and Garden Equipment	1.55E-01	2.73E-04	1.08E-03
2006	Annual	Trimmers/Edgers/Brush Cutters	2	Lawn and Garden Equipment	3.06E-01	6.01E-04	2.25E-03
2006	Annual	Leaf Blowers/Vacuums	2	Lawn and Garden Equipment	4.16E-01	6.99E-04	4.02E-03
2006	Annual	Leaf Blowers/Vacuums	2	Lawn and Garden Equipment	2.62E-02	4.24E-05	3.89E-04
2006	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Shredders	15	Lawn and Garden Equipment	1.39E-02	1.36E-05	9.40E-06
2006	Annual	Shredders	15	Lawn and Garden Equipment	3.29E-03	2.12E-06	3.46E-05
2006	Annual	Commercial Turf Equipment	15	Lawn and Garden Equipment	4.08E-02	4.39E-05	3.36E-05
2006	Annual	Commercial Turf Equipment	25	Lawn and Garden Equipment	4.26E-02	3.09E-05	3.63E-05
2006	Annual	Other Lawn & Garden Equipment	2	Lawn and Garden Equipment	1.91E-04	3.07E-07	1.20E-06
2006	Annual	Other Lawn & Garden Equipment	2	Lawn and Garden Equipment	3.66E-04	5.53E-07	5.43E-06
2006	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	4.15E-04	3.15E-07	2.62E-06
2006	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	7.98E-04	5.50E-07	9.68E-06
2006	Annual	Lawn Mowers	5	Lawn and Garden Equipment	9.46E-01	1.81E-03	1.30E-03
2006	Annual	Lawn Mowers	5	Lawn and Garden Equipment	1.02E+00	1.56E-03	2.07E-03
2006	Annual	Tillers	5	Lawn and Garden Equipment	2.67E-02	4.46E-05	3.49E-05
2006	Annual	Tillers	5	Lawn and Garden Equipment	3.34E-02	4.87E-05	7.41E-05
2006	Annual	Trimmers/Edgers/Brush Cutters	5	Lawn and Garden Equipment	2.56E-02	9.17E-05	3.39E-05
2006	Annual	Trimmers/Edgers/Brush Cutters	5	Lawn and Garden Equipment	1.89E-02	5.44E-05	5.87E-05
2006	Annual	Leaf Blowers/Vacuums	5	Lawn and Garden Equipment	5.98E-03	1.40E-05	6.55E-06
2006	Annual	Leaf Blowers/Vacuums	5	Lawn and Garden Equipment	3.97E-04	7.75E-07	8.03E-07
2006	Annual	Snowblowers	5	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	5	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Rear Engine Riding Mowers	15	Lawn and Garden Equipment	1.46E+00	1.80E-03	1.13E-03
2006	Annual	Rear Engine Riding Mowers	15	Lawn and Garden Equipment	1.33E-01	1.43E-04	1.28E-04
2006	Annual	Rear Engine Riding Mowers	25	Lawn and Garden Equipment	1.26E-02	1.11E-05	1.03E-05
2006	Annual	Rear Engine Riding Mowers	25	Lawn and Garden Equipment	1.13E-03	8.47E-07	1.03E-06
2006	Annual	Front Mowers	15	Lawn and Garden Equipment	1.07E-01	1.06E-04	8.28E-05
2006	Annual	Front Mowers	15	Lawn and Garden Equipment	3.59E-01	3.11E-04	3.46E-04
2006	Annual	Front Mowers	25	Lawn and Garden Equipment	1.09E-01	9.16E-05	8.96E-05
2006	Annual	Front Mowers	25	Lawn and Garden Equipment	3.68E-01	2.63E-04	3.36E-04
2006	Annual	Shredders	5	Lawn and Garden Equipment	2.46E-02	3.17E-05	3.25E-05
2006	Annual	Shredders	5	Lawn and Garden Equipment	6.07E-03	5.78E-06	1.19E-05
2006	Annual	Lawn & Garden Tractors	15	Lawn and Garden Equipment	2.45E-01	2.05E-04	1.64E-04
2006	Annual	Lawn & Garden Tractors	15	Lawn and Garden Equipment	1.81E-01	1.41E-04	1.44E-04
2006	Annual	Lawn & Garden Tractors	25	Lawn and Garden Equipment	1.49E-01	9.78E-05	1.06E-04

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Lawn & Garden Tractors	25	Lawn and Garden Equipment	1.10E-01	6.56E-05	8.57E-05
2006	Annual	Lawn & Garden Tractors	50	Lawn and Garden Equipment	4.69E-03	1.88E-06	1.07E-06
2006	Annual	Wood Splitters	5	Lawn and Garden Equipment	4.30E-02	5.31E-05	5.60E-05
2006	Annual	Wood Splitters	5	Lawn and Garden Equipment	9.19E-03	8.51E-06	1.57E-05
2006	Annual	Chippers/Stump Grinders	15	Lawn and Garden Equipment	1.48E-02	1.29E-05	1.35E-05
2006	Annual	Chippers/Stump Grinders	15	Lawn and Garden Equipment	3.45E-04	2.45E-07	3.81E-07
2006	Annual	Chippers/Stump Grinders	25	Lawn and Garden Equipment	1.37E-01	9.17E-05	1.33E-04
2006	Annual	Chippers/Stump Grinders	25	Lawn and Garden Equipment	3.20E-03	1.71E-06	3.31E-06
2006	Annual	Commercial Turf Equipment	15	Lawn and Garden Equipment	4.49E-01	4.78E-04	4.43E-04
2006	Annual	Commercial Turf Equipment	25	Lawn and Garden Equipment	3.82E-01	3.01E-04	3.89E-04
2006	Annual	Commercial Turf Equipment	50	Lawn and Garden Equipment	3.80E-01	1.63E-04	1.37E-04
2006	Annual	Commercial Turf Equipment	120	Lawn and Garden Equipment	4.70E-03	9.71E-07	2.12E-07
2006	Annual	Other Lawn & Garden Equipment	5	Lawn and Garden Equipment	1.43E-02	2.02E-05	1.73E-05
2006	Annual	Other Lawn & Garden Equipment	5	Lawn and Garden Equipment	2.74E-02	3.09E-05	5.43E-05
2006	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	1.27E-02	1.25E-05	8.69E-06
2006	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	2.44E-02	2.23E-05	1.94E-05
2006	Annual	Other Lawn & Garden Equipment	25	Lawn and Garden Equipment	5.69E-04	3.80E-07	4.10E-07
2006	Annual	Other Lawn & Garden Equipment	25	Lawn and Garden Equipment	1.10E-03	6.71E-07	8.58E-07
2006	Annual	Other Lawn & Garden Equipment	50	Lawn and Garden Equipment	1.42E-04	4.92E-08	3.20E-08
2006	Annual	Other Lawn & Garden Equipment	120	Lawn and Garden Equipment	9.53E-04	2.48E-07	1.47E-07
2006	Annual	Leaf Blowers/Vacuums	15	Lawn and Garden Equipment	3.72E-05	0.00E+00	4.56E-09
2006	Annual	Leaf Blowers/Vacuums	120	Lawn and Garden Equipment	5.26E-04	0.00E+00	9.35E-08
2006	Annual	Leaf Blowers/Vacuums	250	Lawn and Garden Equipment	3.10E-04	0.00E+00	2.57E-08
2006	Annual	Snowblowers	175	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	250	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snowblowers	500	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Lawn & Garden Tractors	15	Lawn and Garden Equipment	1.26E+00	0.00E+00	1.61E-04
2006	Annual	Lawn & Garden Tractors	25	Lawn and Garden Equipment	1.51E+00	0.00E+00	1.89E-04
2006	Annual	Chippers/Stump Grinders	25	Lawn and Garden Equipment	1.09E-03	0.00E+00	1.36E-07
2006	Annual	Chippers/Stump Grinders	120	Lawn and Garden Equipment	1.13E-01	0.00E+00	2.33E-05
2006	Annual	Chippers/Stump Grinders	175	Lawn and Garden Equipment	1.34E-02	0.00E+00	1.81E-06
2006	Annual	Chippers/Stump Grinders	250	Lawn and Garden Equipment	5.33E-03	0.00E+00	5.25E-07
2006	Annual	Chippers/Stump Grinders	500	Lawn and Garden Equipment	5.47E-02	0.00E+00	4.84E-06
2006	Annual	Chippers/Stump Grinders	750	Lawn and Garden Equipment	1.50E-01	0.00E+00	1.36E-05
2006	Annual	Chippers/Stump Grinders	1000	Lawn and Garden Equipment	4.05E-01	0.00E+00	4.41E-05
2006	Annual	Commercial Turf Equipment	15	Lawn and Garden Equipment	6.45E-02	0.00E+00	7.25E-06
2006	Annual	Commercial Turf Equipment	25	Lawn and Garden Equipment	1.82E+00	0.00E+00	2.11E-04
2006	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	4.77E-04	0.00E+00	5.63E-08
2006	Annual	Other Lawn & Garden Equipment	25	Lawn and Garden Equipment	9.09E-05	0.00E+00	1.08E-08
2006	Annual	Generator Sets	2	Light Commercial Equipment	3.24E-03	7.41E-06	2.67E-05
2006	Annual	Generator Sets	2	Light Commercial Equipment	1.71E-03	3.75E-06	1.71E-05
2006	Annual	Generator Sets	15	Light Commercial Equipment	2.94E-04	2.40E-07	7.36E-07
2006	Annual	Generator Sets	15	Light Commercial Equipment	1.51E-04	1.07E-07	9.21E-07
2006	Annual	Pumps	2	Light Commercial Equipment	2.51E-02	6.40E-05	8.96E-05
2006	Annual	Pumps	2	Light Commercial Equipment	1.32E-02	3.08E-05	9.59E-05
2006	Annual	Pumps	15	Light Commercial Equipment	5.41E-02	4.83E-05	1.08E-04
2006	Annual	Pumps	15	Light Commercial Equipment	2.86E-02	2.33E-05	1.18E-04
2006	Annual	Pumps	25	Light Commercial Equipment	1.39E-03	8.69E-07	1.34E-06
2006	Annual	Pumps	25	Light Commercial Equipment	7.27E-04	4.12E-07	1.92E-06
2006	Annual	Generator Sets	5	Light Commercial Equipment	1.70E-01	2.13E-04	5.71E-04
2006	Annual	Generator Sets	5	Light Commercial Equipment	8.98E-02	1.10E-04	3.20E-04
2006	Annual	Generator Sets	15	Light Commercial Equipment	1.05E+00	9.17E-04	1.60E-03
2006	Annual	Generator Sets	15	Light Commercial Equipment	5.55E-01	4.74E-04	9.24E-04
2006	Annual	Generator Sets	25	Light Commercial Equipment	1.19E+00	6.85E-04	1.64E-03
2006	Annual	Generator Sets	25	Light Commercial Equipment	6.29E-01	3.56E-04	9.35E-04
2006	Annual	Generator Sets	50	Light Commercial Equipment	1.04E+00	3.60E-04	2.53E-04
2006	Annual	Generator Sets	120	Light Commercial Equipment	5.16E-01	1.39E-04	8.60E-05
2006	Annual	Generator Sets	175	Light Commercial Equipment	8.34E-02	1.86E-05	8.12E-06
2006	Annual	Pumps	5	Light Commercial Equipment	8.81E-02	1.35E-04	2.43E-04
2006	Annual	Pumps	5	Light Commercial Equipment	4.65E-02	6.57E-05	1.77E-04
2006	Annual	Pumps	15	Light Commercial Equipment	2.55E-01	2.43E-04	3.71E-04
2006	Annual	Pumps	15	Light Commercial Equipment	1.35E-01	1.23E-04	2.22E-04
2006	Annual	Pumps	25	Light Commercial Equipment	1.39E-01	9.11E-05	1.62E-04
2006	Annual	Pumps	25	Light Commercial Equipment	7.32E-02	4.49E-05	1.01E-04
2006	Annual	Pumps	50	Light Commercial Equipment	1.57E-01	5.69E-05	4.52E-05
2006	Annual	Pumps	120	Light Commercial Equipment	5.92E-01	1.58E-04	1.18E-04
2006	Annual	Pumps	175	Light Commercial Equipment	2.69E-02	6.34E-06	2.92E-06
2006	Annual	Air Compressors	5	Light Commercial Equipment	9.43E-02	1.39E-04	1.43E-04
2006	Annual	Air Compressors	5	Light Commercial Equipment	4.98E-02	7.36E-05	7.53E-05
2006	Annual	Air Compressors	15	Light Commercial Equipment	6.68E-02	8.34E-05	6.50E-05
2006	Annual	Air Compressors	15	Light Commercial Equipment	3.53E-02	4.28E-05	3.68E-05

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Air Compressors	25	Light Commercial Equipment	2.19E-02	1.73E-05	2.20E-05
2006	Annual	Air Compressors	25	Light Commercial Equipment	1.16E-02	8.48E-06	1.37E-05
2006	Annual	Air Compressors	50	Light Commercial Equipment	1.20E-01	4.60E-05	4.35E-05
2006	Annual	Air Compressors	120	Light Commercial Equipment	7.70E-01	2.62E-04	1.94E-04
2006	Annual	Air Compressors	175	Light Commercial Equipment	9.64E-02	2.65E-05	1.13E-05
2006	Annual	Welders	15	Light Commercial Equipment	1.36E-01	1.24E-04	2.35E-04
2006	Annual	Welders	25	Light Commercial Equipment	7.59E-01	5.35E-04	1.09E-03
2006	Annual	Welders	50	Light Commercial Equipment	3.16E-01	1.11E-04	9.15E-05
2006	Annual	Welders	120	Light Commercial Equipment	4.96E-01	1.75E-04	9.96E-05
2006	Annual	Welders	175	Light Commercial Equipment	6.17E-02	1.77E-05	6.72E-06
2006	Annual	Pressure Washers	5	Light Commercial Equipment	7.13E-02	7.62E-05	1.94E-04
2006	Annual	Pressure Washers	5	Light Commercial Equipment	3.77E-02	3.77E-05	1.30E-04
2006	Annual	Pressure Washers	15	Light Commercial Equipment	8.91E-02	7.88E-05	1.36E-04
2006	Annual	Pressure Washers	15	Light Commercial Equipment	4.71E-02	4.08E-05	7.83E-05
2006	Annual	Pressure Washers	25	Light Commercial Equipment	4.30E-02	2.32E-05	5.67E-05
2006	Annual	Pressure Washers	25	Light Commercial Equipment	2.27E-02	1.18E-05	3.36E-05
2006	Annual	Pressure Washers	50	Light Commercial Equipment	1.06E-02	3.55E-06	2.77E-06
2006	Annual	Generator Sets	120	Light Commercial Equipment	3.35E-02	0.00E+00	5.09E-05
2006	Annual	Generator Sets	175	Light Commercial Equipment	4.88E-02	0.00E+00	6.01E-05
2006	Annual	Gas Compressors	50	Light Commercial Equipment	2.15E-01	0.00E+00	2.38E-04
2006	Annual	Gas Compressors	120	Light Commercial Equipment	1.21E+00	0.00E+00	1.34E-03
2006	Annual	Gas Compressors	175	Light Commercial Equipment	3.15E-01	0.00E+00	3.61E-04
2006	Annual	Gas Compressors	250	Light Commercial Equipment	3.25E-01	0.00E+00	4.16E-04
2006	Annual	Gas Compressors	500	Light Commercial Equipment	4.57E-01	0.00E+00	5.86E-04
2006	Annual	Generator Sets	15	Light Commercial Equipment	3.13E-01	0.00E+00	5.75E-05
2006	Annual	Generator Sets	25	Light Commercial Equipment	3.96E-01	0.00E+00	7.46E-05
2006	Annual	Generator Sets	50	Light Commercial Equipment	8.40E-01	0.00E+00	3.33E-04
2006	Annual	Generator Sets	120	Light Commercial Equipment	3.25E+00	0.00E+00	6.44E-04
2006	Annual	Generator Sets	175	Light Commercial Equipment	3.50E-01	0.00E+00	4.53E-05
2006	Annual	Generator Sets	250	Light Commercial Equipment	2.93E-01	0.00E+00	2.63E-05
2006	Annual	Generator Sets	500	Light Commercial Equipment	1.03E+00	0.00E+00	8.34E-05
2006	Annual	Generator Sets	750	Light Commercial Equipment	1.03E+00	0.00E+00	8.61E-05
2006	Annual	Generator Sets	9999	Light Commercial Equipment	5.19E-01	0.00E+00	5.63E-05
2006	Annual	Pumps	15	Light Commercial Equipment	2.04E-01	0.00E+00	4.34E-05
2006	Annual	Pumps	25	Light Commercial Equipment	1.60E-01	0.00E+00	3.94E-05
2006	Annual	Pumps	50	Light Commercial Equipment	4.92E-01	0.00E+00	2.07E-04
2006	Annual	Pumps	120	Light Commercial Equipment	2.19E+00	0.00E+00	4.46E-04
2006	Annual	Pumps	175	Light Commercial Equipment	4.26E-01	0.00E+00	5.67E-05
2006	Annual	Pumps	250	Light Commercial Equipment	4.41E-01	0.00E+00	4.09E-05
2006	Annual	Pumps	500	Light Commercial Equipment	1.49E-02	0.00E+00	1.24E-06
2006	Annual	Pumps	750	Light Commercial Equipment	4.11E-03	0.00E+00	3.51E-07
2006	Annual	Pumps	9999	Light Commercial Equipment	2.15E-01	0.00E+00	2.36E-05
2006	Annual	Air Compressors	15	Light Commercial Equipment	5.47E-03	0.00E+00	1.16E-06
2006	Annual	Air Compressors	25	Light Commercial Equipment	2.17E-02	0.00E+00	5.33E-06
2006	Annual	Air Compressors	50	Light Commercial Equipment	3.03E-01	0.00E+00	1.65E-04
2006	Annual	Air Compressors	120	Light Commercial Equipment	4.26E+00	0.00E+00	9.84E-04
2006	Annual	Air Compressors	175	Light Commercial Equipment	3.04E-01	0.00E+00	4.62E-05
2006	Annual	Air Compressors	250	Light Commercial Equipment	6.34E-01	0.00E+00	6.74E-05
2006	Annual	Air Compressors	500	Light Commercial Equipment	1.46E+00	0.00E+00	1.38E-04
2006	Annual	Air Compressors	750	Light Commercial Equipment	8.45E-01	0.00E+00	8.12E-05
2006	Annual	Air Compressors	1000	Light Commercial Equipment	2.83E-02	0.00E+00	3.32E-06
2006	Annual	Welders	15	Light Commercial Equipment	1.23E-01	0.00E+00	2.62E-05
2006	Annual	Welders	25	Light Commercial Equipment	1.97E-01	0.00E+00	4.85E-05
2006	Annual	Welders	50	Light Commercial Equipment	1.39E+00	0.00E+00	6.97E-04
2006	Annual	Welders	120	Light Commercial Equipment	1.65E+00	0.00E+00	3.65E-04
2006	Annual	Welders	175	Light Commercial Equipment	2.03E-02	0.00E+00	2.95E-06
2006	Annual	Welders	250	Light Commercial Equipment	5.47E-03	0.00E+00	5.57E-07
2006	Annual	Welders	500	Light Commercial Equipment	1.92E-02	0.00E+00	1.74E-06
2006	Annual	Pressure Washers	15	Light Commercial Equipment	2.99E-03	0.00E+00	5.48E-07
2006	Annual	Pressure Washers	25	Light Commercial Equipment	1.02E-03	0.00E+00	1.92E-07
2006	Annual	Pressure Washers	50	Light Commercial Equipment	4.04E-03	0.00E+00	1.31E-06
2006	Annual	Pressure Washers	120	Light Commercial Equipment	2.81E-03	0.00E+00	5.11E-07
2006	Annual	Chainsaws	15	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Shredders	15	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Shredders	175	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Skidders	120	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Skidders	175	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Skidders	250	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Skidders	500	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Fellers/Bunchers	120	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Fellers/Bunchers	175	Logging Equipment	0.00E+00	0.00E+00	0.00E+00

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Fellers/Bunchers	250	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Fellers/Bunchers	500	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Fellers/Bunchers	750	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	A/C unit	120	Military Tactical Support Equip	9.02E-03	0.00E+00	1.79E-06
2006	Annual	A/C unit	250	Military Tactical Support Equip	7.75E-03	0.00E+00	7.49E-07
2006	Annual	A/C unit	500	Military Tactical Support Equip	4.64E-03	0.00E+00	4.07E-07
2006	Annual	Aircraft Support	120	Military Tactical Support Equip	1.65E-03	0.00E+00	3.28E-07
2006	Annual	Aircraft Support	175	Military Tactical Support Equip	4.85E-03	0.00E+00	6.32E-07
2006	Annual	Cart	120	Military Tactical Support Equip	8.42E-04	0.00E+00	1.67E-07
2006	Annual	Cart	175	Military Tactical Support Equip	3.98E-04	0.00E+00	5.18E-08
2006	Annual	Cart	250	Military Tactical Support Equip	1.71E-03	0.00E+00	1.65E-07
2006	Annual	Communications	50	Military Tactical Support Equip	1.39E-04	0.00E+00	5.50E-08
2006	Annual	Communications	120	Military Tactical Support Equip	4.16E-04	0.00E+00	8.27E-08
2006	Annual	Compressor (Military)	50	Military Tactical Support Equip	1.70E-04	0.00E+00	6.74E-08
2006	Annual	Compressor (Military)	120	Military Tactical Support Equip	9.29E-03	0.00E+00	1.85E-06
2006	Annual	Compressor (Military)	175	Military Tactical Support Equip	5.79E-04	0.00E+00	7.53E-08
2006	Annual	Compressor (Military)	250	Military Tactical Support Equip	1.55E-03	0.00E+00	1.49E-07
2006	Annual	Compressor (Military)	500	Military Tactical Support Equip	9.05E-03	0.00E+00	7.94E-07
2006	Annual	Crane	120	Military Tactical Support Equip	1.46E-03	0.00E+00	2.35E-07
2006	Annual	Crane	175	Military Tactical Support Equip	3.67E-04	0.00E+00	3.74E-08
2006	Annual	Crane	250	Military Tactical Support Equip	3.71E-04	0.00E+00	2.13E-08
2006	Annual	Deicer	120	Military Tactical Support Equip	3.81E-04	0.00E+00	7.58E-08
2006	Annual	Generator (Military)	50	Military Tactical Support Equip	8.89E-04	0.00E+00	3.53E-07
2006	Annual	Generator (Military)	120	Military Tactical Support Equip	4.83E-02	0.00E+00	9.61E-06
2006	Annual	Generator (Military)	175	Military Tactical Support Equip	6.89E-02	0.00E+00	8.97E-06
2006	Annual	Generator (Military)	250	Military Tactical Support Equip	2.76E-02	0.00E+00	2.67E-06
2006	Annual	Generator (Military)	500	Military Tactical Support Equip	1.75E-02	0.00E+00	1.53E-06
2006	Annual	Generator (Military)	750	Military Tactical Support Equip	9.25E-04	0.00E+00	8.32E-08
2006	Annual	Hydraulic unit	120	Military Tactical Support Equip	5.52E-03	0.00E+00	1.10E-06
2006	Annual	Lift (Military)	120	Military Tactical Support Equip	1.65E-04	0.00E+00	3.27E-08
2006	Annual	Light	50	Military Tactical Support Equip	2.17E-04	0.00E+00	8.60E-08
2006	Annual	Pressure Washers	175	Military Tactical Support Equip	3.95E-04	0.00E+00	5.14E-08
2006	Annual	Pump (Military)	50	Military Tactical Support Equip	1.96E-03	0.00E+00	7.78E-07
2006	Annual	Pump (Military)	120	Military Tactical Support Equip	3.90E-03	0.00E+00	7.75E-07
2006	Annual	Start Cart	120	Military Tactical Support Equip	8.67E-05	0.00E+00	1.72E-08
2006	Annual	Start Cart	500	Military Tactical Support Equip	2.45E-04	0.00E+00	2.15E-08
2006	Annual	Test Stand	120	Military Tactical Support Equip	2.63E-03	0.00E+00	5.23E-07
2006	Annual	Test Stand	175	Military Tactical Support Equip	2.46E-04	0.00E+00	3.20E-08
2006	Annual	Test Stand	250	Military Tactical Support Equip	5.29E-03	0.00E+00	5.11E-07
2006	Annual	Test Stand	500	Military Tactical Support Equip	3.57E-03	0.00E+00	3.13E-07
2006	Annual	Welder	50	Military Tactical Support Equip	6.37E-04	0.00E+00	2.53E-07
2006	Annual	Welder	120	Military Tactical Support Equip	3.12E-03	0.00E+00	6.19E-07
2006	Annual	Other tactical support equipment	50	Military Tactical Support Equip	4.33E-05	0.00E+00	1.72E-08
2006	Annual	Other tactical support equipment	120	Military Tactical Support Equip	1.10E-03	0.00E+00	2.18E-07
2006	Annual	Other tactical support equipment	175	Military Tactical Support Equip	2.05E-03	0.00E+00	2.67E-07
2006	Annual	Other tactical support equipment	250	Military Tactical Support Equip	1.13E-03	0.00E+00	1.10E-07
2006	Annual	Other tactical support equipment	500	Military Tactical Support Equip	4.68E-04	0.00E+00	4.11E-08
2006	Annual	Other tactical support equipment	750	Military Tactical Support Equip	5.43E-04	0.00E+00	4.88E-08
2006	Annual	Compressors (Workover)	25	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressors (Workover)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressors (Workover)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressors (Workover)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressors (Workover)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressors (Workover)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Compressors (Workover)	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Workover)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Workover)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Workover)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Workover)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Workover)	9999	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Workover)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Workover)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Workover)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Workover)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Workover)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Workover)	9999	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Swivel	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Swivel	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Swivel	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Swivel	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Snubbing	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006	Annual	Other Workover Equipment	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other Workover Equipment	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other Workover Equipment	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other Workover Equipment	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Other Workover Equipment	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Lift (Drilling)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Lift (Drilling)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Lift (Drilling)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Lift (Drilling)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Lift (Drilling)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Drilling)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Drilling)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Drilling)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Drilling)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Drilling)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pump (Drilling)	9999	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Drilling)	50	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Drilling)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Drilling)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Drilling)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Drilling)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Generator (Drilling)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	50	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Drill Rig (Mobile)	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	50	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Workover Rig (Mobile)	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Pressure Washers	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Misc Portable Equipment	120	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Misc Portable Equipment	175	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Misc Portable Equipment	250	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Misc Portable Equipment	500	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Misc Portable Equipment	750	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Misc Portable Equipment	1000	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2006	Annual	Vessels w/Outboard Engines	2	Pleasure Craft	4.99E-03	4.43E-06	1.03E-04
2006	Annual	Vessels w/Outboard Engines	15	Pleasure Craft	8.29E-01	9.81E-04	1.37E-02
2006	Annual	Vessels w/Outboard Engines	25	Pleasure Craft	7.51E-01	5.95E-04	8.13E-03
2006	Annual	Vessels w/Outboard Engines	50	Pleasure Craft	2.47E+00	9.20E-04	1.30E-02
2006	Annual	Vessels w/Outboard Engines	120	Pleasure Craft	4.59E+00	1.24E-03	2.23E-02
2006	Annual	Vessels w/Outboard Engines	175	Pleasure Craft	3.78E+00	7.21E-04	1.86E-02
2006	Annual	Vessels w/Outboard Engines	250	Pleasure Craft	1.43E+00	2.85E-04	7.02E-03
2006	Annual	Vessels w/Outboard Engines	500	Pleasure Craft	4.03E-01	2.87E-05	2.16E-03
2006	Annual	Sailboat Auxiliary Outboard Engin	15	Pleasure Craft	2.27E-03	2.59E-06	3.63E-05
2006	Annual	Sailboat Auxiliary Outboard Engin	25	Pleasure Craft	3.05E-03	2.59E-06	3.21E-05
2006	Annual	Sailboat Auxiliary Outboard Engin	50	Pleasure Craft	1.03E-02	4.03E-06	5.25E-05
2006	Annual	Personal Water Craft	9999	Pleasure Craft	1.03E+01	2.75E-03	4.70E-02
2006	Annual	Vessels w/Inboard Engines	250	Pleasure Craft	1.94E+01	4.58E-03	7.14E-03
2006	Annual	Vessels w/Outboard Engines	50	Pleasure Craft	5.11E-01	2.23E-04	2.39E-04
2006	Annual	Vessels w/Sterndrive Engines	250	Pleasure Craft	2.92E+01	7.82E-03	1.10E-02
2006	Annual	Sailboat Auxiliary Inboard Engine	15	Pleasure Craft	6.39E-03	4.88E-06	3.02E-06
2006	Annual	Vessels w/Inboard Jet Engines	500	Pleasure Craft	6.05E+00	1.30E-03	2.30E-03
2006	Annual	Vessels w/Inboard Engines	250	Pleasure Craft	1.55E+00	0.00E+00	7.71E-04
2006	Annual	Sailboat Auxiliary Inboard Engine	50	Pleasure Craft	1.61E-02	0.00E+00	7.99E-06
2006	Annual	Compressor (Railyard)	120	Railyard Operations	8.97E-04	0.00E+00	2.13E-07
2006	Annual	Crane (Rail-CHE)	120	Railyard Operations	7.44E-04	0.00E+00	1.76E-07
2006	Annual	Crane (Rail-CHE)	175	Railyard Operations	1.18E-03	0.00E+00	1.56E-07

Table GHG-8c: OFFROAD Model Output for Monterey County for 2006

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2006 Annual		Materials Handling (Rail-CHE)	120	Railyard Operations	8.16E-04	0.00E+00	1.93E-07
2006 Annual		Generator (Railyard)	175	Railyard Operations	7.96E-04	0.00E+00	1.05E-07
2006 Annual		Generator (Railyard)	9999	Railyard Operations	5.03E-03	0.00E+00	5.61E-07
2006 Annual		Off-Road Motorcycles Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Inactive	120	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Snowmobiles Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Snowmobiles Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Snowmobiles Inactive	120	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		All Terrain Vehicles (ATVs) Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		All Terrain Vehicles (ATVs) Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		All Terrain Vehicles (ATVs) Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		All Terrain Vehicles (ATVs) Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		All Terrain Vehicles (ATVs) Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		All Terrain Vehicles (ATVs) Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2006 Annual		Off-Road Motorcycles Active	15	Recreational Equipment	8.93E-02	3.02E-05	1.67E-03
2006 Annual		Off-Road Motorcycles Active	25	Recreational Equipment	7.68E-02	2.60E-05	1.44E-03
2006 Annual		Off-Road Motorcycles Active	50	Recreational Equipment	6.26E-01	2.11E-04	1.17E-02
2006 Annual		Off-Road Motorcycles Active	120	Recreational Equipment	2.99E-01	1.01E-04	5.60E-03
2006 Annual		Snowmobiles Active	25	Recreational Equipment	1.62E-03	8.35E-07	3.59E-05
2006 Annual		Snowmobiles Active	50	Recreational Equipment	1.45E-02	5.54E-06	3.22E-04
2006 Annual		Snowmobiles Active	120	Recreational Equipment	4.51E-02	1.78E-05	7.32E-04
2006 Annual		All Terrain Vehicles (ATVs) Active	15	Recreational Equipment	9.73E-02	3.29E-05	1.82E-03
2006 Annual		All Terrain Vehicles (ATVs) Active	25	Recreational Equipment	6.34E-02	2.14E-05	1.18E-03
2006 Annual		All Terrain Vehicles (ATVs) Active	50	Recreational Equipment	8.34E-02	2.81E-05	1.56E-03
2006 Annual		Golf Carts	15	Recreational Equipment	4.05E+00	4.33E-03	4.65E-03
2006 Annual		Specialty Vehicles Carts	15	Recreational Equipment	5.45E-01	5.61E-04	3.51E-04
2006 Annual		Off-Road Motorcycles Active	15	Recreational Equipment	1.74E-01	4.69E-04	1.09E-04
2006 Annual		Off-Road Motorcycles Active	25	Recreational Equipment	2.81E-01	7.56E-04	1.75E-04
2006 Annual		Off-Road Motorcycles Active	50	Recreational Equipment	2.93E-01	7.88E-04	1.83E-04
2006 Annual		All Terrain Vehicles (ATVs) Active	15	Recreational Equipment	7.94E-02	2.44E-04	5.73E-05
2006 Annual		All Terrain Vehicles (ATVs) Active	25	Recreational Equipment	1.10E+00	3.40E-03	7.98E-04
2006 Annual		All Terrain Vehicles (ATVs) Active	50	Recreational Equipment	4.99E-02	1.53E-04	3.60E-05
2006 Annual		Minibikes	5	Recreational Equipment	4.78E-03	3.38E-05	3.13E-04
2006 Annual		Golf Carts	15	Recreational Equipment	3.17E+00	3.62E-03	4.12E-03
2006 Annual		Specialty Vehicles Carts	5	Recreational Equipment	1.20E-02	1.48E-05	1.33E-05
2006 Annual		Specialty Vehicles Carts	15	Recreational Equipment	2.29E-01	2.35E-04	1.47E-04
2006 Annual		Specialty Vehicles Carts	25	Recreational Equipment	3.41E-01	2.11E-04	2.32E-04
2006 Annual		Transport Refrigeration Units	15	Transport Refrigeration Units	3.73E-01	3.86E-04	3.41E-04
2006 Annual		Transport Refrigeration Units	15	Transport Refrigeration Units	8.17E-01	0.00E+00	1.07E-04
2006 Annual		Transport Refrigeration Units	25	Transport Refrigeration Units	5.35E-01	0.00E+00	6.89E-05
2006 Annual		Transport Refrigeration Units	50	Transport Refrigeration Units	2.67E+01	0.00E+00	1.09E-02
					5.81E+02	6.09E-02	3.42E-01
					212,034	6,895	2,621

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	2-Wheel Tractors	5	Agricultural Equipment	1.82E-02	2.70E-05	2.50E-05
2030	Annual	2-Wheel Tractors	15	Agricultural Equipment	8.80E-02	9.71E-05	7.72E-05
2030	Annual	2-Wheel Tractors	25	Agricultural Equipment	4.72E-03	3.62E-06	4.37E-06
2030	Annual	Agricultural Tractors	120	Agricultural Equipment	7.83E-01	9.13E-05	4.53E-05
2030	Annual	Agricultural Tractors	175	Agricultural Equipment	1.59E-01	1.58E-05	8.74E-06
2030	Annual	Combines	120	Agricultural Equipment	6.69E-02	4.28E-06	1.67E-06
2030	Annual	Combines	175	Agricultural Equipment	5.75E-02	3.17E-06	1.07E-06
2030	Annual	Combines	250	Agricultural Equipment	1.22E-02	1.07E-06	1.94E-07
2030	Annual	Balers	50	Agricultural Equipment	1.35E-01	2.26E-05	9.34E-06
2030	Annual	Balers	120	Agricultural Equipment	1.25E-01	1.21E-05	3.47E-06
2030	Annual	Agricultural Mowers	15	Agricultural Equipment	3.30E-02	4.09E-05	2.88E-05
2030	Annual	Agricultural Mowers	25	Agricultural Equipment	6.07E-02	4.95E-05	5.60E-05
2030	Annual	Sprayers	5	Agricultural Equipment	3.55E-02	5.76E-05	4.79E-05
2030	Annual	Sprayers	15	Agricultural Equipment	1.93E-02	2.49E-05	1.67E-05
2030	Annual	Sprayers	25	Agricultural Equipment	1.21E-01	9.90E-05	1.11E-04
2030	Annual	Sprayers	50	Agricultural Equipment	2.57E-02	4.64E-06	1.81E-06
2030	Annual	Sprayers	120	Agricultural Equipment	8.83E-02	8.79E-06	2.52E-06
2030	Annual	Sprayers	175	Agricultural Equipment	3.98E-02	3.03E-06	8.25E-07
2030	Annual	Tillers	15	Agricultural Equipment	2.17E+00	1.90E-03	1.28E-03
2030	Annual	Swathers	120	Agricultural Equipment	4.56E-01	4.01E-05	1.34E-05
2030	Annual	Swathers	175	Agricultural Equipment	4.98E-01	3.92E-05	1.09E-05
2030	Annual	Hydro Power Units	5	Agricultural Equipment	5.34E-03	7.52E-06	7.40E-06
2030	Annual	Hydro Power Units	15	Agricultural Equipment	4.52E-02	5.32E-05	4.08E-05
2030	Annual	Hydro Power Units	25	Agricultural Equipment	3.66E-02	2.91E-05	3.49E-05
2030	Annual	Hydro Power Units	50	Agricultural Equipment	9.29E-03	1.50E-06	7.03E-07
2030	Annual	Hydro Power Units	120	Agricultural Equipment	1.99E-03	1.85E-07	5.32E-08
2030	Annual	Other Agricultural Equipment	5	Agricultural Equipment	2.42E-03	3.76E-06	3.26E-06
2030	Annual	Other Agricultural Equipment	15	Agricultural Equipment	5.30E-03	5.53E-06	4.59E-06
2030	Annual	Other Agricultural Equipment	25	Agricultural Equipment	3.38E-03	2.21E-06	3.09E-06
2030	Annual	Other Agricultural Equipment	50	Agricultural Equipment	6.36E-03	1.14E-06	4.39E-07
2030	Annual	Other Agricultural Equipment	120	Agricultural Equipment	8.41E-02	7.80E-06	2.23E-06
2030	Annual	Other Agricultural Equipment	175	Agricultural Equipment	1.89E-02	1.34E-06	3.89E-07
2030	Annual	Other Agricultural Equipment	250	Agricultural Equipment	1.24E-02	1.12E-06	2.06E-07
2030	Annual	Agricultural Tractors	15	Agricultural Equipment	2.93E+00	0.00E+00	3.08E-04
2030	Annual	Agricultural Tractors	25	Agricultural Equipment	6.94E+00	0.00E+00	7.55E-04
2030	Annual	Agricultural Tractors	50	Agricultural Equipment	2.45E+01	0.00E+00	1.50E-03
2030	Annual	Agricultural Tractors	120	Agricultural Equipment	6.03E+01	0.00E+00	2.03E-03
2030	Annual	Agricultural Tractors	175	Agricultural Equipment	5.81E+01	0.00E+00	1.45E-03
2030	Annual	Agricultural Tractors	250	Agricultural Equipment	5.36E+01	0.00E+00	1.23E-03
2030	Annual	Agricultural Tractors	500	Agricultural Equipment	1.74E+01	0.00E+00	3.96E-04
2030	Annual	Combines	120	Agricultural Equipment	5.23E-01	0.00E+00	1.14E-05
2030	Annual	Combines	175	Agricultural Equipment	1.02E+00	0.00E+00	1.62E-05
2030	Annual	Combines	250	Agricultural Equipment	1.54E+00	0.00E+00	2.23E-05
2030	Annual	Combines	500	Agricultural Equipment	8.44E-02	0.00E+00	1.21E-06
2030	Annual	Balers	50	Agricultural Equipment	2.40E-04	0.00E+00	7.28E-09
2030	Annual	Balers	120	Agricultural Equipment	2.54E-01	0.00E+00	5.00E-06
2030	Annual	Agricultural Mowers	120	Agricultural Equipment	2.92E-02	0.00E+00	8.66E-07
2030	Annual	Sprayers	25	Agricultural Equipment	1.41E-02	0.00E+00	1.54E-06
2030	Annual	Sprayers	50	Agricultural Equipment	4.95E-03	0.00E+00	1.48E-07
2030	Annual	Sprayers	120	Agricultural Equipment	1.20E-01	0.00E+00	2.33E-06
2030	Annual	Sprayers	175	Agricultural Equipment	8.36E-02	0.00E+00	1.19E-06
2030	Annual	Sprayers	250	Agricultural Equipment	8.57E-02	0.00E+00	1.11E-06
2030	Annual	Sprayers	500	Agricultural Equipment	1.60E-02	0.00E+00	2.04E-07
2030	Annual	Tillers	15	Agricultural Equipment	4.38E-04	0.00E+00	4.10E-08
2030	Annual	Tillers	250	Agricultural Equipment	1.43E-03	0.00E+00	2.16E-08
2030	Annual	Tillers	500	Agricultural Equipment	7.67E-03	0.00E+00	1.14E-07
2030	Annual	Swathers	120	Agricultural Equipment	1.57E+00	0.00E+00	3.17E-05
2030	Annual	Swathers	175	Agricultural Equipment	2.69E-02	0.00E+00	3.97E-07
2030	Annual	Hydro Power Units	15	Agricultural Equipment	9.88E-03	0.00E+00	1.04E-06
2030	Annual	Hydro Power Units	25	Agricultural Equipment	5.67E-02	0.00E+00	6.17E-06
2030	Annual	Hydro Power Units	50	Agricultural Equipment	1.13E-01	0.00E+00	9.09E-06
2030	Annual	Hydro Power Units	120	Agricultural Equipment	2.08E-02	0.00E+00	8.77E-07
2030	Annual	Other Agricultural Equipment	15	Agricultural Equipment	2.52E-02	0.00E+00	2.65E-06
2030	Annual	Other Agricultural Equipment	25	Agricultural Equipment	1.29E-01	0.00E+00	1.40E-05
2030	Annual	Other Agricultural Equipment	50	Agricultural Equipment	1.75E-01	0.00E+00	9.48E-06
2030	Annual	Other Agricultural Equipment	120	Agricultural Equipment	1.18E+00	0.00E+00	3.58E-05
2030	Annual	Other Agricultural Equipment	175	Agricultural Equipment	1.78E-01	0.00E+00	3.99E-06
2030	Annual	Other Agricultural Equipment	250	Agricultural Equipment	2.58E-01	0.00E+00	5.29E-06
2030	Annual	Other Agricultural Equipment	500	Agricultural Equipment	8.96E-02	0.00E+00	1.82E-06
2030	Annual	Cargo Tractor	120	Airport Ground Support Equipment	7.12E-01	1.19E-04	3.94E-05
2030	Annual	A/C Tug Narrow Body	175	Airport Ground Support Equipment	7.22E-02	7.85E-06	2.47E-06
2030	Annual	A/C Tug Wide Body	500	Airport Ground Support Equipment	6.30E-02	3.50E-06	1.29E-06
2030	Annual	Air Conditioner	175	Airport Ground Support Equipment	6.47E-05	6.59E-09	9.39E-10
2030	Annual	Air Start Unit	175	Airport Ground Support Equipment	6.12E-03	5.77E-07	9.81E-08
2030	Annual	Baggage Tug	120	Airport Ground Support Equipment	6.37E-01	8.86E-05	2.17E-05
2030	Annual	Belt Loader	120	Airport Ground Support Equipment	1.52E-01	2.82E-05	5.28E-06
2030	Annual	Bobtail	120	Airport Ground Support Equipment	1.02E-01	1.42E-05	3.49E-06
2030	Annual	Cargo Loader	120	Airport Ground Support Equipment	4.19E-02	7.23E-06	1.45E-06
2030	Annual	Cart	15	Airport Ground Support Equipment	2.83E-04	2.26E-07	1.66E-07
2030	Annual	Deicer	120	Airport Ground Support Equipment	1.57E-03	1.56E-07	3.56E-08
2030	Annual	Forklift	50	Airport Ground Support Equipment	1.73E-02	4.31E-06	1.53E-06
2030	Annual	Fuel Truck	175	Airport Ground Support Equipment	6.77E-04	1.15E-07	9.79E-09

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Ground Power Unit	175	Airport Ground Support Equipment	1.08E-01	1.06E-05	2.27E-06
2030	Annual	Lav Cart	15	Airport Ground Support Equipment	2.45E-05	1.96E-08	1.43E-08
2030	Annual	Lav Truck	175	Airport Ground Support Equipment	5.81E-02	1.07E-05	1.88E-06
2030	Annual	Lift	120	Airport Ground Support Equipment	5.20E-02	7.61E-06	1.88E-06
2030	Annual	Maint. Truck	175	Airport Ground Support Equipment	5.51E-02	7.06E-06	1.28E-06
2030	Annual	Other GSE	50	Airport Ground Support Equipment	1.33E-02	2.38E-06	1.02E-06
2030	Annual	Passenger Stand	175	Airport Ground Support Equipment	1.78E-02	2.12E-06	3.40E-07
2030	Annual	Sweeper	120	Airport Ground Support Equipment	1.25E-03	2.43E-07	4.47E-08
2030	Annual	Generator	120	Airport Ground Support Equipment	5.98E-03	7.90E-07	3.37E-07
2030	Annual	Service Truck	250	Airport Ground Support Equipment	1.60E-01	2.98E-05	6.15E-06
2030	Annual	Catering Truck	250	Airport Ground Support Equipment	1.15E-01	1.32E-05	5.00E-06
2030	Annual	Water Truck	175	Airport Ground Support Equipment	4.44E-03	8.19E-07	1.00E-07
2030	Annual	Hydrant truck	175	Airport Ground Support Equipment	1.19E-01	1.56E-05	6.77E-06
2030	Annual	Cargo Tractor	175	Airport Ground Support Equipment	1.27E-02	0.00E+00	2.85E-06
2030	Annual	Air Conditioner	175	Airport Ground Support Equipment	3.48E-04	0.00E+00	5.97E-08
2030	Annual	Baggage Tug	120	Airport Ground Support Equipment	1.05E-01	0.00E+00	8.31E-05
2030	Annual	Belt Loader	120	Airport Ground Support Equipment	1.01E-02	0.00E+00	5.96E-06
2030	Annual	Bobtail	120	Airport Ground Support Equipment	2.52E-03	0.00E+00	1.12E-06
2030	Annual	Cargo Loader	120	Airport Ground Support Equipment	8.90E-03	0.00E+00	8.39E-06
2030	Annual	Forklift	50	Airport Ground Support Equipment	3.50E-02	0.00E+00	1.35E-05
2030	Annual	Fuel Truck	175	Airport Ground Support Equipment	2.13E-03	0.00E+00	8.16E-07
2030	Annual	Lav Truck	175	Airport Ground Support Equipment	1.21E-03	0.00E+00	3.81E-07
2030	Annual	Lift	120	Airport Ground Support Equipment	1.54E-03	0.00E+00	6.70E-07
2030	Annual	Other	50	Airport Ground Support Equipment	1.20E-02	0.00E+00	1.13E-05
2030	Annual	Passenger Stand	175	Airport Ground Support Equipment	4.86E-05	0.00E+00	8.16E-09
2030	Annual	Sweeper	50	Airport Ground Support Equipment	2.66E-04	0.00E+00	9.07E-08
2030	Annual	Service Truck	250	Airport Ground Support Equipment	2.23E-02	0.00E+00	1.12E-05
2030	Annual	Catering Truck	250	Airport Ground Support Equipment	8.78E-03	0.00E+00	2.98E-06
2030	Annual	Cargo Tractor	120	Airport Ground Support Equipment	3.75E-02	0.00E+00	1.87E-06
2030	Annual	A/C Tug Narrow Body	250	Airport Ground Support Equipment	2.90E-01	0.00E+00	1.48E-05
2030	Annual	A/C Tug Wide Body	500	Airport Ground Support Equipment	1.63E-01	0.00E+00	8.13E-06
2030	Annual	Air Conditioner	175	Airport Ground Support Equipment	4.87E-02	0.00E+00	9.45E-07
2030	Annual	Air Conditioner	250	Airport Ground Support Equipment	5.49E-03	0.00E+00	1.06E-07
2030	Annual	Air Conditioner	500	Airport Ground Support Equipment	7.33E-03	0.00E+00	1.41E-07
2030	Annual	Air Start Unit	175	Airport Ground Support Equipment	5.51E-04	0.00E+00	1.08E-08
2030	Annual	Air Start Unit	250	Airport Ground Support Equipment	2.36E-03	0.00E+00	4.32E-08
2030	Annual	Air Start Unit	500	Airport Ground Support Equipment	1.86E-01	0.00E+00	3.38E-06
2030	Annual	Air Start Unit	750	Airport Ground Support Equipment	4.02E-02	0.00E+00	7.31E-07
2030	Annual	Baggage Tug	120	Airport Ground Support Equipment	3.56E-01	0.00E+00	2.68E-05
2030	Annual	Belt Loader	120	Airport Ground Support Equipment	8.36E-02	0.00E+00	5.10E-06
2030	Annual	Bobtail	120	Airport Ground Support Equipment	9.85E-03	0.00E+00	5.54E-07
2030	Annual	Cargo Loader	120	Airport Ground Support Equipment	1.76E-01	0.00E+00	8.44E-06
2030	Annual	Forklift	175	Airport Ground Support Equipment	1.85E-02	0.00E+00	5.23E-07
2030	Annual	Fuel Truck	250	Airport Ground Support Equipment	8.47E-03	0.00E+00	2.08E-07
2030	Annual	Ground Power Unit	175	Airport Ground Support Equipment	5.08E-01	0.00E+00	1.49E-05
2030	Annual	Lav Truck	175	Airport Ground Support Equipment	3.74E-03	0.00E+00	1.26E-07
2030	Annual	Lift	120	Airport Ground Support Equipment	3.24E-02	0.00E+00	1.29E-06
2030	Annual	Other GSE	175	Airport Ground Support Equipment	8.24E-02	0.00E+00	3.71E-06
2030	Annual	Passenger Stand	120	Airport Ground Support Equipment	4.54E-04	0.00E+00	8.13E-09
2030	Annual	Sweeper	120	Airport Ground Support Equipment	2.38E-03	0.00E+00	4.90E-08
2030	Annual	Generator	120	Airport Ground Support Equipment	2.19E-02	0.00E+00	1.07E-06
2030	Annual	Generator	175	Airport Ground Support Equipment	2.26E-01	0.00E+00	7.94E-06
2030	Annual	Generator	250	Airport Ground Support Equipment	3.39E-01	0.00E+00	1.13E-05
2030	Annual	Generator	500	Airport Ground Support Equipment	5.69E-02	0.00E+00	1.89E-06
2030	Annual	Generator	750	Airport Ground Support Equipment	1.22E-01	0.00E+00	4.07E-06
2030	Annual	Service Truck	175	Airport Ground Support Equipment	7.92E-03	0.00E+00	1.89E-07
2030	Annual	Catering Truck	250	Airport Ground Support Equipment	5.06E-03	0.00E+00	8.02E-08
2030	Annual	Hydrant Truck	175	Airport Ground Support Equipment	1.67E-02	0.00E+00	4.84E-07
2030	Annual	Compressor (GSE)	120	Airport Ground Support Equipment	2.54E-03	0.00E+00	1.02E-07
2030	Annual	Compressor (GSE)	250	Airport Ground Support Equipment	1.04E-03	0.00E+00	2.84E-08
2030	Annual	Compressor (GSE)	500	Airport Ground Support Equipment	8.55E-03	0.00E+00	2.34E-07
2030	Annual	Compressor (GSE)	750	Airport Ground Support Equipment	4.11E-02	0.00E+00	1.12E-06
2030	Annual	Tampers/Rammers	15	Construction and Mining Equipment	1.32E-02	1.97E-05	9.98E-06
2030	Annual	Plate Compactors	15	Construction and Mining Equipment	1.28E-03	1.91E-06	9.68E-07
2030	Annual	Asphalt Pavers	15	Construction and Mining Equipment	1.69E-03	1.72E-06	1.49E-06
2030	Annual	Asphalt Pavers	25	Construction and Mining Equipment	7.06E-03	4.54E-06	6.56E-06
2030	Annual	Asphalt Pavers	50	Construction and Mining Equipment	8.82E-03	1.54E-06	8.65E-07
2030	Annual	Asphalt Pavers	120	Construction and Mining Equipment	9.13E-03	1.01E-06	3.63E-07
2030	Annual	Tampers/Rammers	15	Construction and Mining Equipment	1.37E-03	1.50E-06	1.19E-06
2030	Annual	Plate Compactors	5	Construction and Mining Equipment	2.21E-02	3.49E-05	3.07E-05
2030	Annual	Plate Compactors	15	Construction and Mining Equipment	5.36E-02	6.23E-05	4.67E-05
2030	Annual	Rollers	5	Construction and Mining Equipment	1.60E-03	2.03E-06	2.00E-06
2030	Annual	Rollers	15	Construction and Mining Equipment	1.74E-02	1.81E-05	1.52E-05
2030	Annual	Rollers	25	Construction and Mining Equipment	2.48E-02	1.75E-05	2.28E-05
2030	Annual	Rollers	50	Construction and Mining Equipment	1.07E-02	2.04E-06	1.51E-06
2030	Annual	Rollers	120	Construction and Mining Equipment	4.03E-02	5.07E-06	2.51E-06
2030	Annual	Paving Equipment	5	Construction and Mining Equipment	3.13E-02	4.77E-05	4.32E-05
2030	Annual	Paving Equipment	15	Construction and Mining Equipment	1.56E-01	1.58E-04	1.35E-04
2030	Annual	Paving Equipment	25	Construction and Mining Equipment	7.61E-03	5.12E-06	6.99E-06
2030	Annual	Paving Equipment	50	Construction and Mining Equipment	1.11E-02	1.75E-06	7.99E-07
2030	Annual	Paving Equipment	120	Construction and Mining Equipment	5.06E-03	4.68E-07	1.40E-07
2030	Annual	Surfacing Equipment	5	Construction and Mining Equipment	7.02E-03	1.06E-05	9.90E-06

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Surfacing Equipment	15	Construction and Mining Equipment	8.39E-02	1.06E-04	7.68E-05
2030	Annual	Surfacing Equipment	25	Construction and Mining Equipment	2.73E-03	2.20E-06	2.64E-06
2030	Annual	Signal Boards	5	Construction and Mining Equipment	8.73E-05	1.03E-07	1.14E-07
2030	Annual	Signal Boards	15	Construction and Mining Equipment	2.17E-03	2.17E-06	1.88E-06
2030	Annual	Trenchers	15	Construction and Mining Equipment	3.33E-02	3.25E-05	2.98E-05
2030	Annual	Trenchers	25	Construction and Mining Equipment	5.42E-02	3.59E-05	5.12E-05
2030	Annual	Trenchers	50	Construction and Mining Equipment	5.44E-02	1.03E-05	6.13E-06
2030	Annual	Trenchers	120	Construction and Mining Equipment	3.92E-02	4.51E-06	1.91E-06
2030	Annual	Bore/Drill Rigs	15	Construction and Mining Equipment	3.26E-04	2.83E-07	2.74E-07
2030	Annual	Bore/Drill Rigs	25	Construction and Mining Equipment	2.92E-03	1.84E-06	2.59E-06
2030	Annual	Bore/Drill Rigs	50	Construction and Mining Equipment	8.93E-04	1.34E-07	6.62E-08
2030	Annual	Bore/Drill Rigs	120	Construction and Mining Equipment	1.11E-02	8.18E-07	3.37E-07
2030	Annual	Bore/Drill Rigs	175	Construction and Mining Equipment	3.84E-03	2.54E-07	8.71E-08
2030	Annual	Concrete/Industrial Saws	5	Construction and Mining Equipment	2.48E-03	3.21E-06	3.23E-06
2030	Annual	Concrete/Industrial Saws	15	Construction and Mining Equipment	5.98E-02	5.59E-05	5.21E-05
2030	Annual	Concrete/Industrial Saws	25	Construction and Mining Equipment	3.53E-02	2.36E-05	3.25E-05
2030	Annual	Concrete/Industrial Saws	50	Construction and Mining Equipment	2.05E-02	2.88E-06	1.42E-06
2030	Annual	Concrete/Industrial Saws	120	Construction and Mining Equipment	2.19E-02	1.75E-06	5.85E-07
2030	Annual	Cement and Mortar Mixers	5	Construction and Mining Equipment	3.01E-02	3.97E-05	3.86E-05
2030	Annual	Cement and Mortar Mixers	15	Construction and Mining Equipment	8.16E-02	9.07E-05	6.96E-05
2030	Annual	Cement and Mortar Mixers	25	Construction and Mining Equipment	1.07E-03	6.72E-07	9.66E-07
2030	Annual	Cranes	50	Construction and Mining Equipment	2.71E-03	5.50E-07	3.10E-07
2030	Annual	Cranes	120	Construction and Mining Equipment	1.07E-02	1.38E-06	5.29E-07
2030	Annual	Cranes	175	Construction and Mining Equipment	7.04E-04	7.41E-08	3.17E-08
2030	Annual	Crushing/Proc. Equipment	15	Construction and Mining Equipment	6.67E-04	5.98E-07	5.79E-07
2030	Annual	Crushing/Proc. Equipment	25	Construction and Mining Equipment	7.77E-04	5.11E-07	7.12E-07
2030	Annual	Crushing/Proc. Equipment	120	Construction and Mining Equipment	8.46E-03	6.49E-07	3.26E-07
2030	Annual	Rough Terrain Forklifts	50	Construction and Mining Equipment	1.84E-03	2.90E-07	2.10E-07
2030	Annual	Rough Terrain Forklifts	120	Construction and Mining Equipment	4.66E-02	4.90E-06	2.30E-06
2030	Annual	Rough Terrain Forklifts	175	Construction and Mining Equipment	2.67E-03	2.30E-07	1.20E-07
2030	Annual	Rubber Tired Loaders	50	Construction and Mining Equipment	4.15E-03	7.65E-07	4.89E-07
2030	Annual	Rubber Tired Loaders	120	Construction and Mining Equipment	4.90E-02	6.09E-06	2.43E-06
2030	Annual	Tractors/Loaders/Backhoes	120	Construction and Mining Equipment	3.44E-02	4.93E-06	1.75E-06
2030	Annual	Skid Steer Loaders	15	Construction and Mining Equipment	1.54E-03	1.35E-06	1.36E-06
2030	Annual	Skid Steer Loaders	25	Construction and Mining Equipment	1.39E-01	1.02E-04	1.30E-04
2030	Annual	Skid Steer Loaders	50	Construction and Mining Equipment	5.89E-02	1.01E-05	4.37E-06
2030	Annual	Skid Steer Loaders	120	Construction and Mining Equipment	8.71E-02	7.59E-06	2.51E-06
2030	Annual	Dumpers/Tenders	5	Construction and Mining Equipment	1.38E-03	2.52E-06	1.94E-06
2030	Annual	Dumpers/Tenders	15	Construction and Mining Equipment	6.63E-03	8.42E-06	5.83E-06
2030	Annual	Dumpers/Tenders	25	Construction and Mining Equipment	2.60E-03	2.23E-06	2.41E-06
2030	Annual	Dumpers/Tenders	120	Construction and Mining Equipment	9.18E-04	1.07E-07	2.89E-08
2030	Annual	Other Construction Equipment	175	Construction and Mining Equipment	2.27E-02	1.86E-06	5.47E-07
2030	Annual	Pavers	25	Construction and Mining Equipment	3.16E-03	0.00E+00	3.44E-07
2030	Annual	Pavers	50	Construction and Mining Equipment	2.78E-01	0.00E+00	3.72E-05
2030	Annual	Pavers	120	Construction and Mining Equipment	8.10E-01	0.00E+00	5.24E-05
2030	Annual	Pavers	175	Construction and Mining Equipment	9.33E-01	0.00E+00	4.45E-05
2030	Annual	Pavers	250	Construction and Mining Equipment	1.70E-01	0.00E+00	7.03E-06
2030	Annual	Pavers	500	Construction and Mining Equipment	2.10E-01	0.00E+00	8.45E-06
2030	Annual	Plate Compactors	15	Construction and Mining Equipment	1.15E-02	0.00E+00	1.20E-06
2030	Annual	Rollers	15	Construction and Mining Equipment	3.65E-02	0.00E+00	3.84E-06
2030	Annual	Rollers	25	Construction and Mining Equipment	3.23E-02	0.00E+00	3.51E-06
2030	Annual	Rollers	50	Construction and Mining Equipment	1.96E-01	0.00E+00	1.83E-05
2030	Annual	Rollers	120	Construction and Mining Equipment	2.39E+00	0.00E+00	1.14E-04
2030	Annual	Rollers	175	Construction and Mining Equipment	1.76E+00	0.00E+00	6.26E-05
2030	Annual	Rollers	250	Construction and Mining Equipment	3.54E-01	0.00E+00	1.10E-05
2030	Annual	Rollers	500	Construction and Mining Equipment	3.56E-01	0.00E+00	1.09E-05
2030	Annual	Scrapers	120	Construction and Mining Equipment	5.56E-02	0.00E+00	3.62E-06
2030	Annual	Scrapers	175	Construction and Mining Equipment	8.02E-01	0.00E+00	3.84E-05
2030	Annual	Scrapers	250	Construction and Mining Equipment	1.11E+00	0.00E+00	4.65E-05
2030	Annual	Scrapers	500	Construction and Mining Equipment	4.67E+00	0.00E+00	1.92E-04
2030	Annual	Scrapers	750	Construction and Mining Equipment	4.04E-01	0.00E+00	1.66E-05
2030	Annual	Paving Equipment	25	Construction and Mining Equipment	3.74E-03	0.00E+00	4.07E-07
2030	Annual	Paving Equipment	50	Construction and Mining Equipment	6.03E-03	0.00E+00	7.68E-07
2030	Annual	Paving Equipment	120	Construction and Mining Equipment	1.98E-01	0.00E+00	1.23E-05
2030	Annual	Paving Equipment	175	Construction and Mining Equipment	1.72E-01	0.00E+00	7.95E-06
2030	Annual	Paving Equipment	250	Construction and Mining Equipment	5.88E-02	0.00E+00	2.34E-06
2030	Annual	Surfacing Equipment	50	Construction and Mining Equipment	1.74E-03	0.00E+00	1.43E-07
2030	Annual	Surfacing Equipment	120	Construction and Mining Equipment	1.58E-03	0.00E+00	6.62E-08
2030	Annual	Surfacing Equipment	175	Construction and Mining Equipment	1.59E-03	0.00E+00	4.98E-08
2030	Annual	Surfacing Equipment	250	Construction and Mining Equipment	5.00E-03	0.00E+00	1.37E-07
2030	Annual	Surfacing Equipment	500	Construction and Mining Equipment	6.84E-02	0.00E+00	1.84E-06
2030	Annual	Surfacing Equipment	750	Construction and Mining Equipment	1.96E-02	0.00E+00	5.29E-07
2030	Annual	Signal Boards	15	Construction and Mining Equipment	1.79E-01	0.00E+00	1.88E-05
2030	Annual	Signal Boards	50	Construction and Mining Equipment	3.73E-03	0.00E+00	2.33E-07
2030	Annual	Signal Boards	120	Construction and Mining Equipment	1.35E-01	0.00E+00	4.58E-06
2030	Annual	Signal Boards	175	Construction and Mining Equipment	1.61E-01	0.00E+00	4.03E-06
2030	Annual	Signal Boards	250	Construction and Mining Equipment	5.63E-02	0.00E+00	1.30E-06
2030	Annual	Trenchers	15	Construction and Mining Equipment	5.39E-03	0.00E+00	5.67E-07
2030	Annual	Trenchers	25	Construction and Mining Equipment	2.21E-02	0.00E+00	2.40E-06
2030	Annual	Trenchers	50	Construction and Mining Equipment	8.51E-01	0.00E+00	1.15E-04
2030	Annual	Trenchers	120	Construction and Mining Equipment	2.27E+00	0.00E+00	1.48E-04
2030	Annual	Trenchers	175	Construction and Mining Equipment	5.52E-01	0.00E+00	2.63E-05

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Trenchers	250	Construction and Mining Equipment	7.67E-02	0.00E+00	3.12E-06
2030	Annual	Trenchers	500	Construction and Mining Equipment	1.37E-01	0.00E+00	5.40E-06
2030	Annual	Trenchers	750	Construction and Mining Equipment	9.24E-03	0.00E+00	3.66E-07
2030	Annual	Bore/Drill Rigs	15	Construction and Mining Equipment	1.15E-03	0.00E+00	1.21E-07
2030	Annual	Bore/Drill Rigs	25	Construction and Mining Equipment	5.35E-03	0.00E+00	5.82E-07
2030	Annual	Bore/Drill Rigs	50	Construction and Mining Equipment	4.68E-02	0.00E+00	2.59E-06
2030	Annual	Bore/Drill Rigs	120	Construction and Mining Equipment	3.57E-01	0.00E+00	1.04E-05
2030	Annual	Bore/Drill Rigs	175	Construction and Mining Equipment	1.51E-01	0.00E+00	3.06E-06
2030	Annual	Bore/Drill Rigs	250	Construction and Mining Equipment	1.73E-01	0.00E+00	3.49E-06
2030	Annual	Bore/Drill Rigs	500	Construction and Mining Equipment	6.38E-01	0.00E+00	1.29E-05
2030	Annual	Bore/Drill Rigs	750	Construction and Mining Equipment	2.01E-01	0.00E+00	4.05E-06
2030	Annual	Bore/Drill Rigs	1000	Construction and Mining Equipment	5.08E-01	0.00E+00	1.03E-05
2030	Annual	Excavators	25	Construction and Mining Equipment	1.17E-02	0.00E+00	1.27E-06
2030	Annual	Excavators	50	Construction and Mining Equipment	6.76E-01	0.00E+00	6.46E-05
2030	Annual	Excavators	120	Construction and Mining Equipment	5.40E+00	0.00E+00	2.58E-04
2030	Annual	Excavators	175	Construction and Mining Equipment	1.59E+01	0.00E+00	5.40E-04
2030	Annual	Excavators	250	Construction and Mining Equipment	9.14E+00	0.00E+00	2.95E-04
2030	Annual	Excavators	500	Construction and Mining Equipment	9.71E+00	0.00E+00	3.12E-04
2030	Annual	Excavators	750	Construction and Mining Equipment	1.08E-01	0.00E+00	3.47E-06
2030	Annual	Concrete/Industrial Saws	25	Construction and Mining Equipment	5.36E-04	0.00E+00	5.84E-08
2030	Annual	Concrete/Industrial Saws	50	Construction and Mining Equipment	8.43E-03	0.00E+00	5.48E-07
2030	Annual	Concrete/Industrial Saws	120	Construction and Mining Equipment	3.61E-02	0.00E+00	1.27E-06
2030	Annual	Concrete/Industrial Saws	175	Construction and Mining Equipment	2.55E-03	0.00E+00	6.63E-08
2030	Annual	Cement and Mortar Mixers	15	Construction and Mining Equipment	1.33E-02	0.00E+00	1.40E-06
2030	Annual	Cement and Mortar Mixers	25	Construction and Mining Equipment	3.33E-03	0.00E+00	3.63E-07
2030	Annual	Cranes	50	Construction and Mining Equipment	1.38E-02	0.00E+00	1.50E-06
2030	Annual	Cranes	120	Construction and Mining Equipment	3.29E-01	0.00E+00	1.79E-05
2030	Annual	Cranes	175	Construction and Mining Equipment	5.26E-01	0.00E+00	2.12E-05
2030	Annual	Cranes	250	Construction and Mining Equipment	1.42E+00	0.00E+00	5.07E-05
2030	Annual	Cranes	500	Construction and Mining Equipment	8.38E-01	0.00E+00	2.96E-05
2030	Annual	Cranes	750	Construction and Mining Equipment	3.17E-01	0.00E+00	1.12E-05
2030	Annual	Cranes	9999	Construction and Mining Equipment	1.27E+00	0.00E+00	4.96E-05
2030	Annual	Graders	50	Construction and Mining Equipment	4.99E-03	0.00E+00	5.14E-07
2030	Annual	Graders	120	Construction and Mining Equipment	9.06E-01	0.00E+00	4.65E-05
2030	Annual	Graders	175	Construction and Mining Equipment	5.12E+00	0.00E+00	1.93E-04
2030	Annual	Graders	250	Construction and Mining Equipment	4.41E+00	0.00E+00	1.52E-04
2030	Annual	Graders	500	Construction and Mining Equipment	1.66E-01	0.00E+00	5.66E-06
2030	Annual	Graders	750	Construction and Mining Equipment	5.75E-03	0.00E+00	1.96E-07
2030	Annual	Off-Highway Trucks	175	Construction and Mining Equipment	2.21E-01	0.00E+00	8.06E-06
2030	Annual	Off-Highway Trucks	250	Construction and Mining Equipment	2.17E+00	0.00E+00	7.50E-05
2030	Annual	Off-Highway Trucks	500	Construction and Mining Equipment	5.00E+00	0.00E+00	1.72E-04
2030	Annual	Off-Highway Trucks	750	Construction and Mining Equipment	2.30E+00	0.00E+00	7.93E-05
2030	Annual	Off-Highway Trucks	1000	Construction and Mining Equipment	1.53E+00	0.00E+00	5.35E-05
2030	Annual	Crushing/Proc. Equipment	50	Construction and Mining Equipment	9.25E-02	0.00E+00	7.71E-06
2030	Annual	Crushing/Proc. Equipment	120	Construction and Mining Equipment	4.92E-01	0.00E+00	2.13E-05
2030	Annual	Crushing/Proc. Equipment	175	Construction and Mining Equipment	4.19E-01	0.00E+00	1.32E-05
2030	Annual	Crushing/Proc. Equipment	250	Construction and Mining Equipment	6.10E-02	0.00E+00	1.79E-06
2030	Annual	Crushing/Proc. Equipment	500	Construction and Mining Equipment	5.25E-01	0.00E+00	1.54E-05
2030	Annual	Crushing/Proc. Equipment	750	Construction and Mining Equipment	1.18E-02	0.00E+00	3.45E-07
2030	Annual	Crushing/Proc. Equipment	9999	Construction and Mining Equipment	2.62E-02	0.00E+00	8.17E-07
2030	Annual	Rough Terrain Forklifts	50	Construction and Mining Equipment	5.83E-02	0.00E+00	5.08E-06
2030	Annual	Rough Terrain Forklifts	120	Construction and Mining Equipment	5.15E+00	0.00E+00	2.29E-04
2030	Annual	Rough Terrain Forklifts	175	Construction and Mining Equipment	1.32E+00	0.00E+00	4.21E-05
2030	Annual	Rough Terrain Forklifts	250	Construction and Mining Equipment	1.01E-01	0.00E+00	3.06E-06
2030	Annual	Rough Terrain Forklifts	500	Construction and Mining Equipment	9.96E-02	0.00E+00	3.01E-06
2030	Annual	Rubber Tired Loaders	25	Construction and Mining Equipment	3.12E-03	0.00E+00	3.39E-07
2030	Annual	Rubber Tired Loaders	50	Construction and Mining Equipment	1.13E-01	0.00E+00	1.13E-05
2030	Annual	Rubber Tired Loaders	120	Construction and Mining Equipment	5.79E+00	0.00E+00	2.91E-04
2030	Annual	Rubber Tired Loaders	175	Construction and Mining Equipment	5.89E+00	0.00E+00	2.17E-04
2030	Annual	Rubber Tired Loaders	250	Construction and Mining Equipment	8.20E+00	0.00E+00	2.74E-04
2030	Annual	Rubber Tired Loaders	500	Construction and Mining Equipment	5.43E+00	0.00E+00	1.80E-04
2030	Annual	Rubber Tired Loaders	750	Construction and Mining Equipment	2.38E-01	0.00E+00	7.89E-06
2030	Annual	Rubber Tired Loaders	1000	Construction and Mining Equipment	3.13E-02	0.00E+00	1.07E-06
2030	Annual	Rubber Tired Loaders	175	Construction and Mining Equipment	2.87E-02	0.00E+00	1.81E-06
2030	Annual	Rubber Tired Dozers	250	Construction and Mining Equipment	9.96E-01	0.00E+00	5.30E-05
2030	Annual	Rubber Tired Dozers	500	Construction and Mining Equipment	2.21E+00	0.00E+00	1.13E-04
2030	Annual	Rubber Tired Dozers	750	Construction and Mining Equipment	3.59E-01	0.00E+00	1.84E-05
2030	Annual	Rubber Tired Dozers	1000	Construction and Mining Equipment	3.60E-02	0.00E+00	1.93E-06
2030	Annual	Tractors/Loaders/Backhoes	25	Construction and Mining Equipment	5.79E-02	0.00E+00	6.31E-06
2030	Annual	Tractors/Loaders/Backhoes	50	Construction and Mining Equipment	6.72E-01	0.00E+00	5.75E-05
2030	Annual	Tractors/Loaders/Backhoes	120	Construction and Mining Equipment	1.53E+01	0.00E+00	6.61E-04
2030	Annual	Tractors/Loaders/Backhoes	175	Construction and Mining Equipment	2.24E+00	0.00E+00	6.87E-05
2030	Annual	Tractors/Loaders/Backhoes	250	Construction and Mining Equipment	1.23E+00	0.00E+00	3.57E-05
2030	Annual	Tractors/Loaders/Backhoes	500	Construction and Mining Equipment	3.98E+00	0.00E+00	1.15E-04
2030	Annual	Tractors/Loaders/Backhoes	750	Construction and Mining Equipment	1.25E+00	0.00E+00	3.64E-05
2030	Annual	Crawler Tractors	50	Construction and Mining Equipment	4.94E-03	0.00E+00	6.53E-07
2030	Annual	Crawler Tractors	120	Construction and Mining Equipment	7.42E+00	0.00E+00	4.77E-04
2030	Annual	Crawler Tractors	175	Construction and Mining Equipment	4.62E+00	0.00E+00	2.18E-04
2030	Annual	Crawler Tractors	250	Construction and Mining Equipment	5.45E+00	0.00E+00	2.27E-04
2030	Annual	Crawler Tractors	500	Construction and Mining Equipment	5.83E+00	0.00E+00	2.38E-04
2030	Annual	Crawler Tractors	750	Construction and Mining Equipment	1.61E-01	0.00E+00	6.58E-06
2030	Annual	Crawler Tractors	1000	Construction and Mining Equipment	2.28E-01	0.00E+00	9.62E-06

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Skid Steer Loaders	25	Construction and Mining Equipment	3.04E-01	0.00E+00	3.31E-05
2030	Annual	Skid Steer Loaders	50	Construction and Mining Equipment	5.17E+00	0.00E+00	3.38E-04
2030	Annual	Skid Steer Loaders	120	Construction and Mining Equipment	4.54E+00	0.00E+00	1.54E-04
2030	Annual	Off-Highway Tractors	120	Construction and Mining Equipment	1.43E-03	0.00E+00	1.17E-07
2030	Annual	Off-Highway Tractors	175	Construction and Mining Equipment	2.42E+00	0.00E+00	1.44E-04
2030	Annual	Off-Highway Tractors	250	Construction and Mining Equipment	2.29E+00	0.00E+00	1.15E-04
2030	Annual	Off-Highway Tractors	750	Construction and Mining Equipment	1.32E+00	0.00E+00	6.39E-05
2030	Annual	Off-Highway Tractors	1000	Construction and Mining Equipment	2.00E-01	0.00E+00	1.01E-05
2030	Annual	Dumpers/Tenders	25	Construction and Mining Equipment	1.67E-03	0.00E+00	1.81E-07
2030	Annual	Other Construction Equipment	15	Construction and Mining Equipment	3.17E-02	0.00E+00	3.33E-06
2030	Annual	Other Construction Equipment	25	Construction and Mining Equipment	7.02E-03	0.00E+00	7.64E-07
2030	Annual	Other Construction Equipment	50	Construction and Mining Equipment	2.31E-02	0.00E+00	1.57E-06
2030	Annual	Other Construction Equipment	120	Construction and Mining Equipment	1.10E-01	0.00E+00	3.94E-06
2030	Annual	Other Construction Equipment	175	Construction and Mining Equipment	2.00E-01	0.00E+00	5.15E-06
2030	Annual	Other Construction Equipment	500	Construction and Mining Equipment	1.11E+00	0.00E+00	2.72E-05
2030	Annual	Compressor (Dredging)	50	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressor (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressor (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressor (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressor (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressor (Dredging)	1000	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Crane (Dredging)	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Deck/door engine	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Dredger	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Dredger	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Dredger	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Dredger	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	50	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Hoist/swing/winch	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Dredging)	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Dredging)	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	50	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	750	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Dredging)	9999	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other (Dredging)	120	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other (Dredging)	175	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other (Dredging)	250	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other (Dredging)	500	Dredging	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Entertainment)	50	Entertainment Equipment	9.98E-04	0.00E+00	5.07E-08
2030	Annual	Generator (Entertainment)	120	Entertainment Equipment	4.99E-02	0.00E+00	1.44E-06
2030	Annual	Generator (Entertainment)	175	Entertainment Equipment	6.92E-02	0.00E+00	1.47E-06
2030	Annual	Generator (Entertainment)	250	Entertainment Equipment	1.41E-01	0.00E+00	2.75E-06
2030	Annual	Generator (Entertainment)	500	Entertainment Equipment	3.07E-01	0.00E+00	5.93E-06
2030	Annual	Generator (Entertainment)	750	Entertainment Equipment	1.06E-01	0.00E+00	2.04E-06
2030	Annual	Generator (Entertainment)	9999	Entertainment Equipment	2.76E-02	0.00E+00	5.77E-07
2030	Annual	Compressor (Entertainment)	120	Entertainment Equipment	4.82E-04	0.00E+00	2.05E-08
2030	Annual	Other General Industrial Equipmen	15	Industrial Equipment	1.04E-03	9.30E-07	5.59E-07
2030	Annual	Aerial Lifts	15	Industrial Equipment	2.78E-04	2.81E-07	2.43E-07
2030	Annual	Aerial Lifts	25	Industrial Equipment	1.73E-02	1.42E-05	1.63E-05
2030	Annual	Aerial Lifts	50	Industrial Equipment	6.46E-02	1.23E-05	5.13E-06
2030	Annual	Aerial Lifts	120	Industrial Equipment	1.30E-01	1.42E-05	4.04E-06
2030	Annual	Forklifts	25	Industrial Equipment	7.70E-04	6.25E-07	4.87E-07
2030	Annual	Forklifts	50	Industrial Equipment	8.70E-01	3.16E-04	1.27E-04
2030	Annual	Forklifts	120	Industrial Equipment	5.15E+00	1.28E-03	2.68E-04
2030	Annual	Forklifts	175	Industrial Equipment	3.82E-01	6.25E-05	1.40E-05
2030	Annual	Sweepers/Scrubbers	15	Industrial Equipment	5.51E-03	4.54E-06	3.25E-06
2030	Annual	Sweepers/Scrubbers	25	Industrial Equipment	1.21E-02	7.07E-06	7.21E-06
2030	Annual	Sweepers/Scrubbers	50	Industrial Equipment	1.41E-01	2.59E-05	1.12E-05
2030	Annual	Sweepers/Scrubbers	120	Industrial Equipment	2.25E-01	3.18E-05	6.51E-06
2030	Annual	Sweepers/Scrubbers	175	Industrial Equipment	2.62E-03	2.70E-07	5.04E-08
2030	Annual	Other General Industrial Equipmen	15	Industrial Equipment	1.15E-02	1.11E-05	7.13E-06
2030	Annual	Other General Industrial Equipmen	25	Industrial Equipment	9.75E-03	6.67E-06	6.06E-06
2030	Annual	Other General Industrial Equipmen	50	Industrial Equipment	4.35E-02	1.07E-05	4.01E-06
2030	Annual	Other General Industrial Equipmen	120	Industrial Equipment	3.72E-02	5.78E-06	1.24E-06
2030	Annual	Other General Industrial Equipmen	175	Industrial Equipment	7.71E-03	8.29E-07	1.74E-07
2030	Annual	Other Material Handling Equipment	50	Industrial Equipment	4.46E-04	9.95E-08	4.49E-08
2030	Annual	Other Material Handling Equipment	120	Industrial Equipment	2.57E-02	4.94E-06	9.73E-07
2030	Annual	Aerial Lifts	15	Industrial Equipment	4.88E-04	0.00E+00	1.71E-06
2030	Annual	Aerial Lifts	25	Industrial Equipment	3.06E-02	0.00E+00	1.65E-04

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Forklifts	25	Industrial Equipment	7.90E-04	0.00E+00	8.03E-06
2030	Annual	Forklifts	50	Industrial Equipment	1.37E+00	0.00E+00	1.12E-03
2030	Annual	Forklifts	120	Industrial Equipment	8.24E+00	0.00E+00	6.62E-03
2030	Annual	Forklifts	175	Industrial Equipment	6.29E-01	0.00E+00	3.04E-04
2030	Annual	Aerial Lifts	15	Industrial Equipment	1.10E-02	0.00E+00	1.15E-06
2030	Annual	Aerial Lifts	25	Industrial Equipment	2.27E-02	0.00E+00	2.47E-06
2030	Annual	Aerial Lifts	50	Industrial Equipment	1.43E-01	0.00E+00	7.65E-06
2030	Annual	Aerial Lifts	120	Industrial Equipment	2.46E-01	0.00E+00	7.32E-06
2030	Annual	Aerial Lifts	500	Industrial Equipment	1.76E-01	0.00E+00	3.52E-06
2030	Annual	Aerial Lifts	750	Industrial Equipment	2.56E-02	0.00E+00	5.13E-07
2030	Annual	Forklifts	50	Industrial Equipment	1.52E-01	0.00E+00	1.35E-05
2030	Annual	Forklifts	120	Industrial Equipment	5.07E-01	0.00E+00	2.26E-05
2030	Annual	Forklifts	175	Industrial Equipment	9.15E-01	0.00E+00	2.88E-05
2030	Annual	Forklifts	250	Industrial Equipment	1.25E+00	0.00E+00	3.85E-05
2030	Annual	Forklifts	500	Industrial Equipment	7.69E-01	0.00E+00	2.37E-05
2030	Annual	Sweepers/Scrubbers	15	Industrial Equipment	3.28E-03	0.00E+00	3.07E-07
2030	Annual	Sweepers/Scrubbers	25	Industrial Equipment	5.38E-03	0.00E+00	5.86E-07
2030	Annual	Sweepers/Scrubbers	50	Industrial Equipment	3.17E-01	0.00E+00	2.55E-05
2030	Annual	Sweepers/Scrubbers	120	Industrial Equipment	1.25E+00	0.00E+00	5.14E-05
2030	Annual	Sweepers/Scrubbers	175	Industrial Equipment	1.06E+00	0.00E+00	3.14E-05
2030	Annual	Sweepers/Scrubbers	250	Industrial Equipment	1.98E-01	0.00E+00	5.70E-06
2030	Annual	Other General Industrial Equipmen	15	Industrial Equipment	1.01E-02	0.00E+00	9.45E-07
2030	Annual	Other General Industrial Equipmen	25	Industrial Equipment	3.25E-02	0.00E+00	3.54E-06
2030	Annual	Other General Industrial Equipmen	50	Industrial Equipment	5.70E-02	0.00E+00	5.49E-06
2030	Annual	Other General Industrial Equipmen	120	Industrial Equipment	6.50E-01	0.00E+00	3.18E-05
2030	Annual	Other General Industrial Equipmen	175	Industrial Equipment	1.01E+00	0.00E+00	3.56E-05
2030	Annual	Other General Industrial Equipmen	250	Industrial Equipment	1.42E+00	0.00E+00	4.70E-05
2030	Annual	Other General Industrial Equipmen	500	Industrial Equipment	2.77E+00	0.00E+00	9.15E-05
2030	Annual	Other General Industrial Equipmen	750	Industrial Equipment	1.14E+00	0.00E+00	3.77E-05
2030	Annual	Other General Industrial Equipmen	1000	Industrial Equipment	8.89E-01	0.00E+00	2.99E-05
2030	Annual	Other Material Handling Equipment	50	Industrial Equipment	2.11E-03	0.00E+00	2.00E-07
2030	Annual	Other Material Handling Equipment	120	Industrial Equipment	2.53E-02	0.00E+00	1.22E-06
2030	Annual	Other Material Handling Equipment	175	Industrial Equipment	5.46E-02	0.00E+00	1.90E-06
2030	Annual	Other Material Handling Equipment	250	Industrial Equipment	1.54E-01	0.00E+00	5.03E-06
2030	Annual	Other Material Handling Equipment	500	Industrial Equipment	3.81E-02	0.00E+00	1.24E-06
2030	Annual	Other Material Handling Equipment	9999	Industrial Equipment	4.42E-02	0.00E+00	1.52E-06
2030	Annual	Lawn Mowers	15	Lawn and Garden Equipment	1.87E-01	2.42E-04	2.18E-04
2030	Annual	Lawn Mowers	15	Lawn and Garden Equipment	9.51E-02	1.08E-04	8.76E-05
2030	Annual	Chainsaws	2	Lawn and Garden Equipment	1.51E-01	2.51E-04	1.93E-03
2030	Annual	Chainsaws	2	Lawn and Garden Equipment	2.89E-02	4.80E-05	1.08E-04
2030	Annual	Chainsaws	15	Lawn and Garden Equipment	2.58E-01	2.83E-04	3.28E-03
2030	Annual	Chainsaws	15	Lawn and Garden Equipment	4.91E-02	5.41E-05	1.84E-04
2030	Annual	Chainsaws Preempt	15	Lawn and Garden Equipment	3.21E-01	3.52E-04	4.08E-03
2030	Annual	Chainsaws Preempt	15	Lawn and Garden Equipment	6.12E-02	6.71E-05	2.33E-04
2030	Annual	Trimmers/Edgers/Brush Cutters	2	Lawn and Garden Equipment	1.81E-01	3.20E-04	1.26E-03
2030	Annual	Trimmers/Edgers/Brush Cutters	2	Lawn and Garden Equipment	3.57E-01	6.31E-04	1.99E-03
2030	Annual	Leaf Blowers/Vacuums	2	Lawn and Garden Equipment	4.86E-01	8.17E-04	4.70E-03
2030	Annual	Leaf Blowers/Vacuums	2	Lawn and Garden Equipment	3.06E-02	5.16E-05	1.14E-04
2030	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Shredders	15	Lawn and Garden Equipment	1.63E-02	1.59E-05	1.10E-05
2030	Annual	Shredders	15	Lawn and Garden Equipment	3.85E-03	3.46E-06	2.22E-06
2030	Annual	Commercial Turf Equipment	15	Lawn and Garden Equipment	4.77E-02	4.19E-05	2.57E-05
2030	Annual	Commercial Turf Equipment	25	Lawn and Garden Equipment	4.97E-02	3.10E-05	2.66E-05
2030	Annual	Other Lawn & Garden Equipment	2	Lawn and Garden Equipment	2.23E-04	3.50E-07	1.39E-06
2030	Annual	Other Lawn & Garden Equipment	2	Lawn and Garden Equipment	4.28E-04	6.74E-07	1.52E-06
2030	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	4.85E-04	3.59E-07	3.02E-06
2030	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	9.33E-04	6.92E-07	3.30E-06
2030	Annual	Lawn Mowers	5	Lawn and Garden Equipment	1.11E+00	1.43E-03	1.29E-03
2030	Annual	Lawn Mowers	5	Lawn and Garden Equipment	1.19E+00	1.26E-03	9.95E-04
2030	Annual	Tillers	5	Lawn and Garden Equipment	3.12E-02	3.38E-05	2.93E-05
2030	Annual	Tillers	5	Lawn and Garden Equipment	3.90E-02	4.07E-05	3.44E-05
2030	Annual	Trimmers/Edgers/Brush Cutters	5	Lawn and Garden Equipment	3.00E-02	1.07E-04	3.96E-05
2030	Annual	Trimmers/Edgers/Brush Cutters	5	Lawn and Garden Equipment	2.21E-02	7.56E-05	2.69E-05
2030	Annual	Leaf Blowers/Vacuums	5	Lawn and Garden Equipment	6.99E-03	1.01E-05	5.67E-06
2030	Annual	Leaf Blowers/Vacuums	5	Lawn and Garden Equipment	4.64E-04	6.03E-07	3.09E-07
2030	Annual	Snowblowers	5	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	5	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	15	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	25	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Rear Engine Riding Mowers	15	Lawn and Garden Equipment	1.71E+00	1.70E-03	9.16E-04
2030	Annual	Rear Engine Riding Mowers	15	Lawn and Garden Equipment	1.56E-01	1.43E-04	7.11E-05
2030	Annual	Rear Engine Riding Mowers	25	Lawn and Garden Equipment	1.48E-02	1.10E-05	7.86E-06
2030	Annual	Rear Engine Riding Mowers	25	Lawn and Garden Equipment	1.32E-03	8.89E-07	6.14E-07
2030	Annual	Front Mowers	15	Lawn and Garden Equipment	1.25E-01	1.00E-04	6.70E-05
2030	Annual	Front Mowers	15	Lawn and Garden Equipment	4.20E-01	3.10E-04	1.92E-04
2030	Annual	Front Mowers	25	Lawn and Garden Equipment	1.28E-01	9.09E-05	6.82E-05
2030	Annual	Front Mowers	25	Lawn and Garden Equipment	4.30E-01	2.76E-04	2.00E-04

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Shredders	5	Lawn and Garden Equipment	2.88E-02	3.71E-05	3.80E-05
2030	Annual	Shredders	5	Lawn and Garden Equipment	7.09E-03	7.45E-06	6.37E-06
2030	Annual	Lawn & Garden Tractors	15	Lawn and Garden Equipment	2.86E-01	1.92E-04	1.29E-04
2030	Annual	Lawn & Garden Tractors	15	Lawn and Garden Equipment	2.11E-01	1.36E-04	8.74E-05
2030	Annual	Lawn & Garden Tractors	25	Lawn and Garden Equipment	1.74E-01	9.40E-05	7.97E-05
2030	Annual	Lawn & Garden Tractors	25	Lawn and Garden Equipment	1.29E-01	6.58E-05	5.49E-05
2030	Annual	Lawn & Garden Tractors	50	Lawn and Garden Equipment	5.48E-03	1.15E-06	3.66E-07
2030	Annual	Wood Splitters	5	Lawn and Garden Equipment	5.03E-02	4.11E-05	5.38E-05
2030	Annual	Wood Splitters	5	Lawn and Garden Equipment	1.07E-02	6.15E-06	6.15E-06
2030	Annual	Chippers/Stump Grinders	15	Lawn and Garden Equipment	1.73E-02	1.51E-05	1.58E-05
2030	Annual	Chippers/Stump Grinders	15	Lawn and Garden Equipment	4.04E-04	3.01E-07	2.76E-07
2030	Annual	Chippers/Stump Grinders	25	Lawn and Garden Equipment	1.61E-01	1.07E-04	1.55E-04
2030	Annual	Chippers/Stump Grinders	25	Lawn and Garden Equipment	3.74E-03	2.12E-06	2.70E-06
2030	Annual	Commercial Turf Equipment	15	Lawn and Garden Equipment	5.25E-01	4.63E-04	3.43E-04
2030	Annual	Commercial Turf Equipment	25	Lawn and Garden Equipment	4.47E-01	3.13E-04	2.83E-04
2030	Annual	Commercial Turf Equipment	50	Lawn and Garden Equipment	4.44E-01	1.36E-04	5.37E-05
2030	Annual	Commercial Turf Equipment	120	Lawn and Garden Equipment	5.50E-03	1.01E-06	1.51E-07
2030	Annual	Other Lawn & Garden Equipment	5	Lawn and Garden Equipment	1.67E-02	1.52E-05	1.56E-05
2030	Annual	Other Lawn & Garden Equipment	5	Lawn and Garden Equipment	3.21E-02	2.39E-05	2.10E-05
2030	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	1.48E-02	1.18E-05	6.74E-06
2030	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	2.85E-02	2.12E-05	1.13E-05
2030	Annual	Other Lawn & Garden Equipment	25	Lawn and Garden Equipment	6.66E-04	3.67E-07	3.07E-07
2030	Annual	Other Lawn & Garden Equipment	25	Lawn and Garden Equipment	1.29E-03	6.49E-07	5.33E-07
2030	Annual	Other Lawn & Garden Equipment	50	Lawn and Garden Equipment	1.66E-04	2.91E-08	1.07E-08
2030	Annual	Other Lawn & Garden Equipment	120	Lawn and Garden Equipment	1.11E-03	1.36E-07	2.72E-08
2030	Annual	Leaf Blowers/Vacuums	15	Lawn and Garden Equipment	4.35E-05	0.00E+00	4.07E-09
2030	Annual	Leaf Blowers/Vacuums	120	Lawn and Garden Equipment	6.15E-04	0.00E+00	1.25E-08
2030	Annual	Leaf Blowers/Vacuums	250	Lawn and Garden Equipment	3.62E-04	0.00E+00	4.92E-09
2030	Annual	Snowblowers	175	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	250	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowblowers	500	Lawn and Garden Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Lawn & Garden Tractors	15	Lawn and Garden Equipment	1.47E+00	0.00E+00	1.37E-04
2030	Annual	Lawn & Garden Tractors	25	Lawn and Garden Equipment	1.77E+00	0.00E+00	1.92E-04
2030	Annual	Chippers/Stump Grinders	25	Lawn and Garden Equipment	1.27E-03	0.00E+00	1.38E-07
2030	Annual	Chippers/Stump Grinders	120	Lawn and Garden Equipment	1.32E-01	0.00E+00	4.30E-06
2030	Annual	Chippers/Stump Grinders	175	Lawn and Garden Equipment	1.57E-02	0.00E+00	3.77E-07
2030	Annual	Chippers/Stump Grinders	250	Lawn and Garden Equipment	6.23E-03	0.00E+00	1.38E-07
2030	Annual	Chippers/Stump Grinders	500	Lawn and Garden Equipment	6.40E-02	0.00E+00	1.41E-06
2030	Annual	Chippers/Stump Grinders	750	Lawn and Garden Equipment	1.75E-01	0.00E+00	3.87E-06
2030	Annual	Chippers/Stump Grinders	1000	Lawn and Garden Equipment	4.74E-01	0.00E+00	1.07E-05
2030	Annual	Commercial Turf Equipment	15	Lawn and Garden Equipment	7.54E-02	0.00E+00	7.06E-06
2030	Annual	Commercial Turf Equipment	25	Lawn and Garden Equipment	2.13E+00	0.00E+00	2.31E-04
2030	Annual	Other Lawn & Garden Equipment	15	Lawn and Garden Equipment	5.58E-04	0.00E+00	5.22E-08
2030	Annual	Other Lawn & Garden Equipment	25	Lawn and Garden Equipment	1.06E-04	0.00E+00	1.16E-08
2030	Annual	Generator Sets	2	Light Commercial Equipment	3.86E-03	7.55E-06	5.00E-06
2030	Annual	Generator Sets	2	Light Commercial Equipment	2.04E-03	3.97E-06	2.61E-06
2030	Annual	Generator Sets	15	Light Commercial Equipment	3.50E-04	2.63E-07	1.84E-07
2030	Annual	Generator Sets	15	Light Commercial Equipment	1.79E-04	1.35E-07	9.48E-08
2030	Annual	Pumps	2	Light Commercial Equipment	2.99E-02	5.87E-05	3.95E-05
2030	Annual	Pumps	2	Light Commercial Equipment	1.58E-02	3.08E-05	2.07E-05
2030	Annual	Pumps	15	Light Commercial Equipment	6.44E-02	6.33E-05	4.98E-05
2030	Annual	Pumps	15	Light Commercial Equipment	3.40E-02	3.33E-05	2.62E-05
2030	Annual	Pumps	25	Light Commercial Equipment	1.66E-03	1.10E-06	1.35E-06
2030	Annual	Pumps	25	Light Commercial Equipment	8.67E-04	5.72E-07	7.02E-07
2030	Annual	Generator Sets	5	Light Commercial Equipment	2.02E-01	2.07E-04	2.63E-04
2030	Annual	Generator Sets	5	Light Commercial Equipment	1.07E-01	1.09E-04	1.37E-04
2030	Annual	Generator Sets	15	Light Commercial Equipment	1.25E+00	1.01E-03	7.65E-04
2030	Annual	Generator Sets	15	Light Commercial Equipment	6.61E-01	5.36E-04	4.05E-04
2030	Annual	Generator Sets	25	Light Commercial Equipment	1.42E+00	8.25E-04	8.48E-04
2030	Annual	Generator Sets	25	Light Commercial Equipment	7.50E-01	4.35E-04	4.50E-04
2030	Annual	Generator Sets	50	Light Commercial Equipment	1.24E+00	2.26E-04	8.79E-05
2030	Annual	Generator Sets	120	Light Commercial Equipment	6.15E-01	7.85E-05	1.64E-05
2030	Annual	Generator Sets	175	Light Commercial Equipment	9.94E-02	1.02E-05	1.73E-06
2030	Annual	Pumps	5	Light Commercial Equipment	1.05E-01	1.78E-04	1.58E-04
2030	Annual	Pumps	5	Light Commercial Equipment	5.55E-02	9.36E-05	8.27E-05
2030	Annual	Pumps	15	Light Commercial Equipment	3.03E-01	3.21E-04	2.70E-04
2030	Annual	Pumps	15	Light Commercial Equipment	1.60E-01	1.69E-04	1.41E-04
2030	Annual	Pumps	25	Light Commercial Equipment	1.65E-01	1.17E-04	1.54E-04
2030	Annual	Pumps	25	Light Commercial Equipment	8.72E-02	6.17E-05	8.05E-05
2030	Annual	Pumps	50	Light Commercial Equipment	1.87E-01	3.05E-05	1.47E-05
2030	Annual	Pumps	120	Light Commercial Equipment	7.05E-01	5.45E-05	2.16E-05
2030	Annual	Pumps	175	Light Commercial Equipment	3.20E-02	2.13E-06	8.34E-07
2030	Annual	Air Compressors	5	Light Commercial Equipment	1.12E-01	1.66E-04	1.70E-04
2030	Annual	Air Compressors	5	Light Commercial Equipment	5.94E-02	8.78E-05	8.98E-05
2030	Annual	Air Compressors	15	Light Commercial Equipment	7.96E-02	1.00E-04	7.29E-05
2030	Annual	Air Compressors	15	Light Commercial Equipment	4.21E-02	5.24E-05	3.76E-05
2030	Annual	Air Compressors	25	Light Commercial Equipment	2.61E-02	2.08E-05	2.52E-05
2030	Annual	Air Compressors	25	Light Commercial Equipment	1.38E-02	1.09E-05	1.31E-05
2030	Annual	Air Compressors	50	Light Commercial Equipment	1.43E-01	2.76E-05	1.69E-05
2030	Annual	Air Compressors	120	Light Commercial Equipment	9.17E-01	1.13E-04	4.60E-05
2030	Annual	Air Compressors	175	Light Commercial Equipment	1.15E-01	1.09E-05	5.49E-06
2030	Annual	Welders	15	Light Commercial Equipment	1.62E-01	1.70E-04	1.44E-04

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Welders	25	Light Commercial Equipment	9.05E-01	7.42E-04	8.47E-04
2030	Annual	Welders	50	Light Commercial Equipment	3.76E-01	6.09E-05	3.17E-05
2030	Annual	Welders	120	Light Commercial Equipment	5.91E-01	6.32E-05	2.03E-05
2030	Annual	Welders	175	Light Commercial Equipment	7.35E-02	6.22E-06	2.11E-06
2030	Annual	Pressure Washers	5	Light Commercial Equipment	8.50E-02	7.00E-05	1.09E-04
2030	Annual	Pressure Washers	5	Light Commercial Equipment	4.49E-02	3.70E-05	5.71E-05
2030	Annual	Pressure Washers	15	Light Commercial Equipment	1.06E-01	8.71E-05	6.48E-05
2030	Annual	Pressure Washers	15	Light Commercial Equipment	5.61E-02	4.60E-05	3.43E-05
2030	Annual	Pressure Washers	25	Light Commercial Equipment	5.13E-02	2.75E-05	3.05E-05
2030	Annual	Pressure Washers	25	Light Commercial Equipment	2.71E-02	1.45E-05	1.61E-05
2030	Annual	Pressure Washers	50	Light Commercial Equipment	1.26E-02	1.84E-06	8.56E-07
2030	Annual	Generator Sets	120	Light Commercial Equipment	3.99E-02	0.00E+00	1.11E-05
2030	Annual	Generator Sets	175	Light Commercial Equipment	5.82E-02	0.00E+00	1.23E-05
2030	Annual	Gas Compressors	50	Light Commercial Equipment	2.57E-01	0.00E+00	1.78E-04
2030	Annual	Gas Compressors	120	Light Commercial Equipment	1.44E+00	0.00E+00	9.72E-04
2030	Annual	Gas Compressors	175	Light Commercial Equipment	3.75E-01	0.00E+00	2.71E-04
2030	Annual	Gas Compressors	250	Light Commercial Equipment	3.87E-01	0.00E+00	2.09E-04
2030	Annual	Gas Compressors	500	Light Commercial Equipment	5.45E-01	0.00E+00	2.94E-04
2030	Annual	Generator Sets	15	Light Commercial Equipment	3.68E-01	0.00E+00	3.46E-05
2030	Annual	Generator Sets	25	Light Commercial Equipment	4.64E-01	0.00E+00	5.06E-05
2030	Annual	Generator Sets	50	Light Commercial Equipment	9.85E-01	0.00E+00	4.90E-05
2030	Annual	Generator Sets	120	Light Commercial Equipment	3.81E+00	0.00E+00	1.07E-04
2030	Annual	Generator Sets	175	Light Commercial Equipment	4.10E-01	0.00E+00	8.46E-06
2030	Annual	Generator Sets	250	Light Commercial Equipment	3.43E-01	0.00E+00	6.51E-06
2030	Annual	Generator Sets	500	Light Commercial Equipment	1.21E+00	0.00E+00	2.28E-05
2030	Annual	Generator Sets	750	Light Commercial Equipment	1.21E+00	0.00E+00	2.29E-05
2030	Annual	Generator Sets	9999	Light Commercial Equipment	6.09E-01	0.00E+00	1.24E-05
2030	Annual	Pumps	15	Light Commercial Equipment	2.39E-01	0.00E+00	2.52E-05
2030	Annual	Pumps	25	Light Commercial Equipment	1.88E-01	0.00E+00	2.05E-05
2030	Annual	Pumps	50	Light Commercial Equipment	5.77E-01	0.00E+00	3.17E-05
2030	Annual	Pumps	120	Light Commercial Equipment	2.57E+00	0.00E+00	7.81E-05
2030	Annual	Pumps	175	Light Commercial Equipment	4.99E-01	0.00E+00	1.12E-05
2030	Annual	Pumps	250	Light Commercial Equipment	5.17E-01	0.00E+00	1.06E-05
2030	Annual	Pumps	500	Light Commercial Equipment	1.75E-02	0.00E+00	3.58E-07
2030	Annual	Pumps	750	Light Commercial Equipment	4.82E-03	0.00E+00	9.88E-08
2030	Annual	Pumps	9999	Light Commercial Equipment	2.52E-01	0.00E+00	5.53E-06
2030	Annual	Air Compressors	15	Light Commercial Equipment	6.41E-03	0.00E+00	6.76E-07
2030	Annual	Air Compressors	25	Light Commercial Equipment	2.54E-02	0.00E+00	2.77E-06
2030	Annual	Air Compressors	50	Light Commercial Equipment	3.56E-01	0.00E+00	2.86E-05
2030	Annual	Air Compressors	120	Light Commercial Equipment	5.00E+00	0.00E+00	2.09E-04
2030	Annual	Air Compressors	175	Light Commercial Equipment	3.57E-01	0.00E+00	1.09E-05
2030	Annual	Air Compressors	250	Light Commercial Equipment	7.44E-01	0.00E+00	2.11E-05
2030	Annual	Air Compressors	500	Light Commercial Equipment	1.71E+00	0.00E+00	4.85E-05
2030	Annual	Air Compressors	750	Light Commercial Equipment	9.91E-01	0.00E+00	2.81E-05
2030	Annual	Air Compressors	1000	Light Commercial Equipment	3.32E-02	0.00E+00	9.62E-07
2030	Annual	Welders	15	Light Commercial Equipment	1.44E-01	0.00E+00	1.52E-05
2030	Annual	Welders	25	Light Commercial Equipment	2.31E-01	0.00E+00	2.52E-05
2030	Annual	Welders	50	Light Commercial Equipment	1.64E+00	0.00E+00	1.16E-04
2030	Annual	Welders	120	Light Commercial Equipment	1.93E+00	0.00E+00	7.32E-05
2030	Annual	Welders	175	Light Commercial Equipment	2.38E-02	0.00E+00	6.63E-07
2030	Annual	Welders	250	Light Commercial Equipment	6.42E-03	0.00E+00	1.65E-07
2030	Annual	Welders	500	Light Commercial Equipment	2.26E-02	0.00E+00	5.79E-07
2030	Annual	Pressure Washers	15	Light Commercial Equipment	3.51E-03	0.00E+00	3.30E-07
2030	Annual	Pressure Washers	25	Light Commercial Equipment	1.19E-03	0.00E+00	1.30E-07
2030	Annual	Pressure Washers	50	Light Commercial Equipment	4.73E-03	0.00E+00	1.61E-07
2030	Annual	Pressure Washers	120	Light Commercial Equipment	3.29E-03	0.00E+00	6.96E-08
2030	Annual	Chainsaws	15	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Shredders	15	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Shredders	175	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Skidders	120	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Skidders	175	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Skidders	250	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Skidders	500	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Fellers/Bunchers	120	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Fellers/Bunchers	175	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Fellers/Bunchers	250	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Fellers/Bunchers	500	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Fellers/Bunchers	750	Logging Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	A/C unit	120	Military Tactical Support Equip	9.02E-03	0.00E+00	2.47E-07
2030	Annual	A/C unit	250	Military Tactical Support Equip	7.75E-03	0.00E+00	1.43E-07
2030	Annual	A/C unit	500	Military Tactical Support Equip	4.64E-03	0.00E+00	8.50E-08
2030	Annual	Aircraft Support	120	Military Tactical Support Equip	1.65E-03	0.00E+00	4.51E-08
2030	Annual	Aircraft Support	175	Military Tactical Support Equip	4.85E-03	0.00E+00	9.78E-08
2030	Annual	Cart	120	Military Tactical Support Equip	8.42E-04	0.00E+00	2.30E-08
2030	Annual	Cart	175	Military Tactical Support Equip	3.98E-04	0.00E+00	8.01E-09
2030	Annual	Cart	250	Military Tactical Support Equip	1.71E-03	0.00E+00	3.15E-08
2030	Annual	Communications	50	Military Tactical Support Equip	1.39E-04	0.00E+00	6.60E-09
2030	Annual	Communications	120	Military Tactical Support Equip	4.16E-04	0.00E+00	1.14E-08
2030	Annual	Compressor (Military)	50	Military Tactical Support Equip	1.70E-04	0.00E+00	8.09E-09
2030	Annual	Compressor (Military)	120	Military Tactical Support Equip	9.29E-03	0.00E+00	2.54E-07
2030	Annual	Compressor (Military)	175	Military Tactical Support Equip	5.79E-04	0.00E+00	1.17E-08
2030	Annual	Compressor (Military)	250	Military Tactical Support Equip	1.55E-03	0.00E+00	2.86E-08

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Compressor (Military)	500	Military Tactical Support Equip	9.05E-03	0.00E+00	1.66E-07
2030	Annual	Crane	120	Military Tactical Support Equip	1.46E-03	0.00E+00	2.78E-08
2030	Annual	Crane	175	Military Tactical Support Equip	3.67E-04	0.00E+00	4.92E-09
2030	Annual	Crane	250	Military Tactical Support Equip	3.71E-04	0.00E+00	4.96E-09
2030	Annual	Deicer	120	Military Tactical Support Equip	3.81E-04	0.00E+00	1.04E-08
2030	Annual	Generator (Military)	50	Military Tactical Support Equip	8.89E-04	0.00E+00	4.23E-08
2030	Annual	Generator (Military)	120	Military Tactical Support Equip	4.83E-02	0.00E+00	1.32E-06
2030	Annual	Generator (Military)	175	Military Tactical Support Equip	6.89E-02	0.00E+00	1.39E-06
2030	Annual	Generator (Military)	250	Military Tactical Support Equip	2.76E-02	0.00E+00	5.11E-07
2030	Annual	Generator (Military)	500	Military Tactical Support Equip	1.75E-02	0.00E+00	3.20E-07
2030	Annual	Generator (Military)	750	Military Tactical Support Equip	9.25E-04	0.00E+00	1.70E-08
2030	Annual	Hydraulic unit	120	Military Tactical Support Equip	5.52E-03	0.00E+00	1.51E-07
2030	Annual	Lift (Military)	120	Military Tactical Support Equip	1.65E-04	0.00E+00	4.51E-09
2030	Annual	Light	50	Military Tactical Support Equip	2.17E-04	0.00E+00	1.03E-08
2030	Annual	Pressure Washers	175	Military Tactical Support Equip	3.95E-04	0.00E+00	7.96E-09
2030	Annual	Pump (Military)	50	Military Tactical Support Equip	1.96E-03	0.00E+00	9.33E-08
2030	Annual	Pump (Military)	120	Military Tactical Support Equip	3.90E-03	0.00E+00	1.07E-07
2030	Annual	Start Cart	120	Military Tactical Support Equip	8.67E-05	0.00E+00	2.37E-09
2030	Annual	Start Cart	500	Military Tactical Support Equip	2.45E-04	0.00E+00	4.49E-09
2030	Annual	Test Stand	120	Military Tactical Support Equip	2.63E-03	0.00E+00	7.20E-08
2030	Annual	Test Stand	175	Military Tactical Support Equip	2.46E-04	0.00E+00	4.96E-09
2030	Annual	Test Stand	250	Military Tactical Support Equip	5.29E-03	0.00E+00	9.78E-08
2030	Annual	Test Stand	500	Military Tactical Support Equip	3.57E-03	0.00E+00	6.53E-08
2030	Annual	Welder	50	Military Tactical Support Equip	6.37E-04	0.00E+00	3.03E-08
2030	Annual	Welder	120	Military Tactical Support Equip	3.12E-03	0.00E+00	8.53E-08
2030	Annual	Other tactical support equipment	50	Military Tactical Support Equip	4.33E-05	0.00E+00	2.06E-09
2030	Annual	Other tactical support equipment	120	Military Tactical Support Equip	1.10E-03	0.00E+00	3.00E-08
2030	Annual	Other tactical support equipment	175	Military Tactical Support Equip	2.05E-03	0.00E+00	4.13E-08
2030	Annual	Other tactical support equipment	250	Military Tactical Support Equip	1.13E-03	0.00E+00	2.09E-08
2030	Annual	Other tactical support equipment	500	Military Tactical Support Equip	4.68E-04	0.00E+00	8.57E-09
2030	Annual	Other tactical support equipment	750	Military Tactical Support Equip	5.43E-04	0.00E+00	9.96E-09
2030	Annual	Compressors (Workover)	25	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressors (Workover)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressors (Workover)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressors (Workover)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressors (Workover)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressors (Workover)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Compressors (Workover)	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Workover)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Workover)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Workover)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Workover)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Workover)	9999	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Workover)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Workover)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Workover)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Workover)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Workover)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Workover)	9999	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Swivel	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Swivel	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Swivel	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Swivel	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snubbing	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other Workover Equipment	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other Workover Equipment	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other Workover Equipment	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other Workover Equipment	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Other Workover Equipment	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Lift (Drilling)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Lift (Drilling)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Lift (Drilling)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Lift (Drilling)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Lift (Drilling)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Drilling)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Drilling)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Drilling)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Drilling)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Drilling)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pump (Drilling)	9999	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Drilling)	50	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Drilling)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Drilling)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Drilling)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Drilling)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Generator (Drilling)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Drill Rig (Mobile)	50	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig (Mobile)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig (Mobile)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig (Mobile)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig (Mobile)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig (Mobile)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Drill Rig (Mobile)	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	50	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	120	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	175	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	500	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	750	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Workover Rig (Mobile)	1000	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Pressure Washers	250	Oil Drilling	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Misc Portable Equipment	120	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Misc Portable Equipment	175	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Misc Portable Equipment	250	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Misc Portable Equipment	500	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Misc Portable Equipment	750	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Misc Portable Equipment	1000	Other Portable Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Vessels w/Outboard Engines	2	Pleasure Craft	4.54E-03	2.01E-06	1.86E-05
2030	Annual	Vessels w/Outboard Engines	15	Pleasure Craft	7.54E-01	7.35E-04	2.82E-03
2030	Annual	Vessels w/Outboard Engines	25	Pleasure Craft	6.83E-01	4.01E-04	1.72E-03
2030	Annual	Vessels w/Outboard Engines	50	Pleasure Craft	2.25E+00	7.32E-04	2.56E-03
2030	Annual	Vessels w/Outboard Engines	120	Pleasure Craft	4.18E+00	9.84E-04	4.36E-03
2030	Annual	Vessels w/Outboard Engines	175	Pleasure Craft	3.44E+00	6.24E-04	3.56E-03
2030	Annual	Vessels w/Outboard Engines	250	Pleasure Craft	1.30E+00	2.55E-04	1.21E-03
2030	Annual	Vessels w/Outboard Engines	500	Pleasure Craft	3.66E-01	1.41E-05	4.71E-04
2030	Annual	Sailboat Auxiliary Outboard Engin	15	Pleasure Craft	1.65E-03	1.57E-06	6.18E-06
2030	Annual	Sailboat Auxiliary Outboard Engin	25	Pleasure Craft	2.22E-03	1.45E-06	5.61E-06
2030	Annual	Sailboat Auxiliary Outboard Engin	50	Pleasure Craft	7.51E-03	2.64E-06	8.52E-06
2030	Annual	Personal Water Craft	9999	Pleasure Craft	8.25E+01	1.68E-02	6.38E-02
2030	Annual	Vessels w/Inboard Engines	250	Pleasure Craft	4.04E+01	6.37E-03	7.56E-03
2030	Annual	Vessels w/Outboard Engines	50	Pleasure Craft	4.62E-01	2.09E-04	2.36E-04
2030	Annual	Vessels w/Sterndrive Engines	250	Pleasure Craft	5.12E+01	9.04E-03	9.10E-03
2030	Annual	Sailboat Auxiliary Inboard Engine	15	Pleasure Craft	4.64E-03	3.63E-06	2.33E-06
2030	Annual	Vessels w/Inboard Jet Engines	500	Pleasure Craft	7.30E+00	1.06E-03	1.35E-03
2030	Annual	Vessels w/Inboard Engines	250	Pleasure Craft	3.23E+00	0.00E+00	1.60E-03
2030	Annual	Sailboat Auxiliary Inboard Engine	50	Pleasure Craft	1.17E-02	0.00E+00	5.81E-06
2030	Annual	Compressor (Railyard)	120	Railyard Operations	8.97E-04	0.00E+00	3.83E-08
2030	Annual	Crane (Rail-CHE)	120	Railyard Operations	7.44E-04	0.00E+00	3.17E-08
2030	Annual	Crane (Rail-CHE)	175	Railyard Operations	1.18E-03	0.00E+00	2.49E-08
2030	Annual	Materials Handling (Rail-CHE)	120	Railyard Operations	8.16E-04	0.00E+00	3.48E-08
2030	Annual	Generator (Railyard)	175	Railyard Operations	7.96E-04	0.00E+00	1.69E-08
2030	Annual	Generator (Railyard)	9999	Railyard Operations	5.03E-03	0.00E+00	1.05E-07
2030	Annual	Off-Road Motorcycles Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Inactive	120	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowmobiles Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowmobiles Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Snowmobiles Inactive	120	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	All Terrain Vehicles (ATVs) Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	All Terrain Vehicles (ATVs) Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	All Terrain Vehicles (ATVs) Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	All Terrain Vehicles (ATVs) Inactive	15	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	All Terrain Vehicles (ATVs) Inactive	25	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	All Terrain Vehicles (ATVs) Inactive	50	Recreational Equipment	0.00E+00	0.00E+00	0.00E+00
2030	Annual	Off-Road Motorcycles Active	15	Recreational Equipment	2.13E-01	7.19E-05	3.98E-03
2030	Annual	Off-Road Motorcycles Active	25	Recreational Equipment	1.83E-01	6.19E-05	3.43E-03
2030	Annual	Off-Road Motorcycles Active	50	Recreational Equipment	1.49E+00	5.04E-04	2.79E-02
2030	Annual	Off-Road Motorcycles Active	120	Recreational Equipment	7.13E-01	2.41E-04	1.34E-02
2030	Annual	Snowmobiles Active	25	Recreational Equipment	4.86E-03	4.85E-06	3.58E-05
2030	Annual	Snowmobiles Active	50	Recreational Equipment	4.35E-02	3.22E-05	3.21E-04
2030	Annual	Snowmobiles Active	120	Recreational Equipment	1.35E-01	7.80E-05	9.98E-04
2030	Annual	All Terrain Vehicles (ATVs) Active	15	Recreational Equipment	2.33E-01	7.88E-05	4.37E-03
2030	Annual	All Terrain Vehicles (ATVs) Active	25	Recreational Equipment	1.52E-01	5.13E-05	2.84E-03
2030	Annual	All Terrain Vehicles (ATVs) Active	50	Recreational Equipment	2.00E-01	6.75E-05	3.74E-03
2030	Annual	Golf Carts	15	Recreational Equipment	6.18E+00	5.64E-03	3.32E-03
2030	Annual	Specialty Vehicles Carts	15	Recreational Equipment	8.31E-01	6.83E-04	3.56E-04
2030	Annual	Off-Road Motorcycles Active	15	Recreational Equipment	4.15E-01	1.12E-03	2.47E-04
2030	Annual	Off-Road Motorcycles Active	25	Recreational Equipment	6.69E-01	1.80E-03	3.99E-04
2030	Annual	Off-Road Motorcycles Active	50	Recreational Equipment	6.97E-01	1.88E-03	4.15E-04
2030	Annual	All Terrain Vehicles (ATVs) Active	15	Recreational Equipment	1.90E-01	5.91E-04	1.19E-04
2030	Annual	All Terrain Vehicles (ATVs) Active	25	Recreational Equipment	2.65E+00	8.22E-03	1.66E-03
2030	Annual	All Terrain Vehicles (ATVs) Active	50	Recreational Equipment	1.20E-01	3.71E-04	7.48E-05
2030	Annual	Minibikes	5	Recreational Equipment	7.30E-03	5.17E-05	4.96E-04
2030	Annual	Golf Carts	15	Recreational Equipment	4.83E+00	4.86E-03	3.15E-03

Table GHG-8d: OFFROAD Model Output for Monterey County for 2030

CY	Season	Equipment	MaxHP	Class	CO2 Exhaust	N2O Exhaust	CH4 Exhaust
2030	Annual	Specialty Vehicles Carts	5	Recreational Equipment	1.84E-02	1.40E-05	1.51E-05
2030	Annual	Specialty Vehicles Carts	15	Recreational Equipment	3.49E-01	2.87E-04	1.50E-04
2030	Annual	Specialty Vehicles Carts	25	Recreational Equipment	5.20E-01	2.62E-04	2.29E-04
2030	Annual	Transport Refrigeration Units	15	Transport Refrigeration Units	4.45E-01	3.76E-04	2.90E-04
2030	Annual	Transport Refrigeration Units	15	Transport Refrigeration Units	2.39E+00	0.00E+00	2.24E-04
2030	Annual	Transport Refrigeration Units	25	Transport Refrigeration Units	1.10E+00	0.00E+00	1.19E-04
2030	Annual	Transport Refrigeration Units	50	Transport Refrigeration Units	9.00E+01	0.00E+00	6.10E-03
					8.43E+02	8.76E-02	2.40E-01
					307,679	9,915	1,841

Table GHG-9: Fugitive Pipeline Emission Calculations	
Department of Finance - E-2, 2006 population	37,274,618
CARB - Inventory - 2006 CH4 emissions from NG pipeline	1,900,000
Tons CO2e/capita	0.0510
2006 Monterey County (uninc.) population	106,279
2030 projection	135,375
Buildout projection	210,659
2006 Fugitive CH4 MT	5,417
2030 Fugitive CH4 MT	6,900
Buildout Fugitive CH4 MT	10,738

Table GHG-10 Projected AWCP Winery and Ancillary Use Yearly Building Energy Emissions

New Wineries						
Type of Winery	Units	Gallons	Number of Wineries	Total Energy Emissions (MT CO2e)		
Artisan (25K cases per year)	gallons	59,500	40	899		
Full-scale (75K cases per year)	gallons	178,500	5	337		
Full-scale (175K cases per year)	gallons	416,500	2	315		
Full-scale (375K cases per year)	gallons	892,500	1	337		
Full-scale (750K cases per year)	gallons	1,785,000	1	674		
Full-scale (1.5M cases per year)	gallons	3,570,000	1	1,349		
Total GHG Energy Emissions - new wineries	gallons		50	3,911		
Ancillary Uses						
Ancillary Use	Units	Size	Number	Electricity (MWh)	Natural Gas (CO2e)	Total Energy Emissions (MT CO2e)
Winery Tasting Rooms (as restaurant)	Square feet	1,000	10	384.00	23.70	177
Restaurants	Square feet	2,500	3	288.00	16.62	270
Delicatessens (as high-turnover restaurant)	Square feet	1,500	5	288.00	17.15	17
Inns	rooms	10	8	810.00	142.16	952
Subtotal						1,416
Total GHG Emissions from Building Energy Emissions						
Total Winery and Ancillary Uses						5,327
NOTE:						
Transportation Emissions for wineries and ancillary uses included in overall transportation emissions estimate derived from VMT from traffic evaluation. Inns assumed to be 7,500 square feet each.						
Sources for Factors:						
Colman, Tyler and Paster, Pablo. 2007. Red, White and "Green": The cost of Carbon in the Global Wine Trade. American Association of Wine Economists (AAWE) Working Paper No. 9. October. <i>Factor for Electricity and Natural Gas related CO2 emissions of 100 g CO2 per bottle (750ml), which is equivalent to 0.83 lb/gallon.</i>						
Energy Information Agency (EIA). 2008. 2003 Commercial Building Energy Consumption Survey (CBECS). Table E6A. Electricity Consumption (kWh) Intensities by End Use for All Buildings. <i>Electricity demand factor for restaurant of 38.4 kwh/square foot and 13.5 kwh/square foot for hotel.</i>						
Climate Action Registry. 2009. The Climate Registry General Reporting Protocol. Version 3.1. Accessed: January 21, 2010. Available: http://www.climateregistry.org/tools/protocols/general-reporting-protocol.html . <i>Electricity emission factors for CO2, N2O, and CH4.</i>						
Rimpo and Associates. 2007. URBEMIS (Urban Emissions) 2007 Model, Version 9.2.4. Available on the web at: http://www.urbemis.com . <i>Natural gas-related CO2 for ancillary uses.</i>						

Table GHG-11a Change in Carbon Sequestration, 2006 to 2030 (Carbon Dioxide Equivalent)		
Change in Annual Sequestration (MT CO2e)	-1,924	Converted to CO2 using molecular weight
Change in Stock (MT CO2e)	-578,917	
Annualized Change at 2030 (MT CO2e)	-26,046	Stock Loss Divided by 24 years plus annual loss at 2030
Table GHG-11b Change in Carbon Sequestration, 2006 to 2092 (Carbon Dioxide Equivalent)		
Change in Annual Sequestration (MT CO2e)	-7,090	Converted to CO2 using molecular weight
Change in Stock (MT CO2e)	-2,181,726	
Annualized Change at 2030 (MT CO2e)	-31,882	Stock Loss Divided by 88 years plus annual loss at 2092

**Table GHG-11c
Monterey County, Change in Land Cover, 2006 to 2030 (acres)**

	2006 Land Cover	Urban Conversions to 2030	Agricultural Conversions to 2030	2030 Land Cover	Net Change
Grassland	717,588	-2,370	-8,243	706,975	-10,613
Woodland	648,478	-1,003	-1,231	646,243	-2,234
Coniferous Forest	56,692	-108	-356	56,229	-464
Scrub	336,073	-1,094	-369	334,609	-1,464
Freshwater Marsh	281		-19	262	-19
Tidal Marsh	2,812		-35	2,777	-35
Agriculture	262,199	-720	10,253	271,732	9,533
Developed/Other	96,959	5,296	0	102,255	5,296
Total	2,121,082	0	0	2,121,082	0

Sources:

2006 Land Cover from Table 4.9-1; Urban Change from Table 4.9-7 for natural land cover (27% of total buildout acreage used) and Table 4.2-9 for farmland conversion to urban use; Agricultural conversion from natural land covers from Table 4.9-8

Note: Riparian areas categorized as woodland for this analysis.

**Table GHG-11d
Change in Carbon Sequestration, 2006 to 2030**

	Net Change in Land Cover (acres)	Annual Sequestration (MT C/year)	Stock Value (MT C)	Change in Annual Sequestration (MT C)	Change in Stock Value (MT C)
Grassland	-10,613	0.004	1.42	-43	-15,032
Woodland ¹	-2,234	0.42	40.00	-949	-89,366
Coniferous Forest	-464	0.49	89.84	-227	-41,643
Scrub	-1,464	0.004	12.14	-6	-17,772
Freshwater Marsh	-19	N/A ²	146.90	N/A ²	-2,828
Tidal Marsh	-35	0.93	80.94	-32	-2,819
Agriculture	9,533	0.08	1.21	733	11,574
Developed/Other	5,296	N/A ³	N/A ³	N/A ³	N/A ³
Total	0			-525	-157,887

References

California Energy Commission (CEC). 2004. Baseline Greenhouse Gas Emissions for Forest, Range, and Agricultural Lands in California. Final Report. 500-04-069F. March. (*Annual sequestration value for woodland and forest and stock values for grassland, scrub, and agriculture*).

Gaman, Tom. 2008. Oaks 2040: Carbon REsources in California Oak Woodlands. Prepared for the California Oak Foundation (*Stock value for central coast oak woodlands*).

Kroodsma and Fields (2006), Carbon Sequestration in California Agriculture, 1980-2000, Ecological Applications: Vol. 16, No. 5, pp. 1975-1986 (*Annual sequestration value for agriculture*).

United States Climate Change Science Program (USCCSP). 2007. The First State of the Carbon Cycle Report (SOCCR): The North American Carbon Budget and Implications for the Global Carbon Cycle. Synthesis and Assessment Product 2.2. November. (*Annual sequestration value for scrub, freshwater and tidal marsh and stock value for freshwater and tidal marsh and forest*).

Notes:

¹ Riparian areas categorized as woodland for this analysis as tend to consist of hardwood.

² Freshwater marsh excluded from annual sequestration calculation as annual production of methane tends to offset annual sequestration of carbon such that many freshwater marshes may actually be a net source of greenhouse gas emissions (USCCP 2007). For this analysis, the net annual sequestration for freshwater marshes are assumed to be zero.

³ Annual sequestration and stock values for developed/other lands assumed to be zero.

**Table GHG-11e
Change in Carbon Sequestration, 2006 to 2030
(Carbon Dioxide Equivalent)**

Change in Annual Sequestration (MT CO2e)	-1,924	Converted to CO2 using molecular weight
Change in Stock (MT CO2e)	-578,917	
Annualized Change at 2030 (MT CO2e)	-26,046	Stock Loss Divided by 24 years plus annual loss at 2030

**Table GHG-11f
Monterey County, Change in Land Cover, 2006 to 2092 (acres)**

	2006 Land Cover	Urban Conversions to 2092	Agricultural Conversions to 2092	2092 Land Cover	Net Change
Grassland	717,588	-8,779	-31,472	677,337	-40,251
Woodland	648,478	-3,715	-4,701	640,062	-8,416
Coniferous Forest	56,692	-399	-1,358	54,935	-1,757
Scrub	336,073	-4,053	-1,411	330,609	-5,464
Freshwater Marsh	281		-74	207	-74
Tidal Marsh	2,812		-133	2,679	-133
Agriculture	262,199	-2,571	39,148	298,775	36,577
Developed/Other	96,959	19,518	0	116,478	19,518
Total	2,121,082	0	0	2,121,082	0

Sources:

2006 Land Cover from Table 4.9-1; Urban Change from Table 4.9-7 for natural land cover and Table 4.2-9 for farmland conversion to urban use; Agricultural conversion from natural land covers from Table 4.9-8

Note: Riparian areas categorized as woodland for this analysis.

**Table GHG-11g
Change in Carbon Sequestration, 2006 to 2092**

	Net Change in Land Cover (acres)	Annual Sequestration (MT C/year)	Stock Value (MT C)	Change in Annual Sequestration (MT C)	Change in Stock Value (MT C)
Grassland	-40,251	0.004	1.42	-163	-57,012
Woodland ¹	-8,416	0.42	40.00	-3,576	-336,622
Coniferous Forest	-1,757	0.49	89.84	-861	-157,891
Scrub	-5,464	0.004	12.14	-22	-66,335
Freshwater Marsh	-74	N/A ²	146.90	N/A ²	-10,797
Tidal Marsh	-133	0.93	80.94	-124	-10,765
Agriculture	36,577	0.08	1.21	2,812	44,406
Developed/Other	19,518	N/A ³	N/A ³	N/A ³	N/A ³
Total	0			-1,934	-595,016

References

California Energy Commission (CEC). 2004. Baseline Greenhouse Gas Emissions for Forest, Range, and Agricultural Lands in California. Final Report. 500-04-069F. March. (*Annual sequestration value for woodland and forest and stock values for grassland, scrub, and agriculture*).

Gaman, Tom. 2008. Oaks 2040: Carbon REsources in California Oak Woodlands. Prepared for the California Oak Foundation (*Stock value for central coast oak woodlands*).

Kroodsmma and Fields (2006), Carbon Sequestration in California Agriculture, 1980-2000, Ecological Applications: Vol. 16, No. 5, pp. 1975-1986 (*Annual sequestration value for agriculture*).

United States Climate Change Science Program (USCCSP). 2007. The First State of the Carbon Cycle Report (SOCCR): The North American Carbon Budget and Implications for the Global Carbon Cycle. Synthesis and Assessment Product 2.2. November. (*Annual sequestration value for scrub, freshwater and tidal marsh and stock value for freshwater and tidal marsh and forest*).

Notes:

¹ Riparian areas categorized as woodland for this analysis as tend to consist of hardwood.

² Freshwater marsh excluded from annual sequestration calculation as annual production of methane tends to offset annual sequestration of carbon such that many freshwater marshes may actually be a net source of greenhouse gas emissions (USCCP 2007). For this analysis, the net annual sequestration for freshwater marshes are assumed to be zero.

³ Annual sequestration and stock values for developed/other lands assumed to be zero.

**Table GHG-11h
Change in Carbon Sequestration, 2006 to 2092
(Carbon Dioxide Equivalent)**

Change in Annual Sequestration (MT CO2e)	-7,090	Converted to CO2 using molecular weight
Change in Stock (MT CO2e)	-2,181,726	
Annualized Change at 2030 (MT CO2e)	-31,882	Stock Loss Divided by 88 years plus annual loss at 2030

Table GHG-11i: Sequestration Literature Values (MT CO₂e/acre)

	Sequestration Value	Source	Stock Value	Source
Grasslands	0.00405	USCCP 2007	1.42	CEC 2004
Oak Woodlands	0.42492	CEC 2004	40.00	Gaman 2008 for Central Coast Woodlands
Forest (fir-spruce)	0.49000	CEC 2004	89.84	USCCP 2007
Shrub	0.00405	USCCP 2007	12.14	CEC 2004
Agriculture	0.077	Kroodsma and Field 2006	1.21	CEC 2004
Freshwater Wetlands	0.0850	USCCP 2007	146.90	USCCP 2007
Tidal Wetlands	0.9308	USCCP 2007	80.94	USCCP 2007
Settled Lands	0.1255	USCCP 2007	4.05	USCCP 2007