

## **Appendix E: EMFAC 2007 Model Output**

Title : Kings County Subarea Summer  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:36:42  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Summer  
 Area : Kings

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

County Average                      Kings                      County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases      Temperature: 86F Relative Humidity: 61%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	0.009	0.017	0.022	0.192	0.451	2.013	0.078	

Pollutant Name: Carbon Monoxide      Temperature: 86F Relative Humidity: 61%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	0.749	1.231	1.354	1.399	5.682	17.968	1.296	

Pollutant Name: Oxides of Nitrogen      Temperature: 86F Relative Humidity: 61%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	0.035	0.073	0.142	1.845	9.017	0.775	0.516	

Pollutant Name: Carbon Dioxide      Temperature: 86F Relative Humidity: 61%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	354.506	443.220	574.273	1643.107	1851.531	144.563	710.102	

Pollutant Name: Sulfur Dioxide      Temperature: 86F Relative Humidity: 61%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.003 0.004 0.006 0.016 0.018 0.002 0.007

Pollutant Name: PM10 Temperature: 86F Relative Humidity: 61%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.009 0.017 0.019 0.094 0.099 0.016 0.033

Pollutant Name: PM10 - Tire Wear Temperature: 86F Relative Humidity: 61%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.008 0.008 0.009 0.034 0.009 0.004 0.014

Pollutant Name: PM10 - Break Wear Temperature: 86F Relative Humidity: 61%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.013 0.013 0.013 0.027 0.013 0.006 0.016

Pollutant Name: Gasoline - mi/gal Temperature: 86F Relative Humidity: 61%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 24.910 19.893 15.473 19.083 18.682 49.442 21.979

Pollutant Name: Diesel - mi/gal Temperature: 86F Relative Humidity: 61%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 29.156 29.156 19.461 5.980 3.959 0.000 6.405

Title : Kings County Subarea Summer  
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 Area : Kings

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

County Average                      Kings                      County Average

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases      Temperature: 86F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.009	0.027	0.047	0.243	0.591	0.022
10	0.011	0.018	0.053	0.092	0.474	0.731	0.038
20	0.020	0.034	0.103	0.175	0.898	0.998	0.069
30	0.029	0.050	0.151	0.247	1.273	1.250	0.098
40	0.038	0.064	0.197	0.311	1.598	1.488	0.124
50	0.046	0.077	0.241	0.364	1.874	1.710	0.148
60	0.053	0.089	0.282	0.408	2.101	1.872	0.169
120	0.081	0.140	0.481	0.494	2.540	2.236	0.251
180	0.092	0.158	0.517	0.524	2.695	2.375	0.273
240	0.097	0.168	0.550	0.553	2.846	2.525	0.290
300	0.103	0.178	0.583	0.581	2.991	2.672	0.306
360	0.108	0.187	0.615	0.609	3.131	2.817	0.322
420	0.114	0.197	0.648	0.635	3.267	2.958	0.339
480	0.119	0.206	0.680	0.660	3.397	3.096	0.354
540	0.125	0.215	0.712	0.685	3.523	3.231	0.370
600	0.130	0.224	0.744	0.708	3.643	3.363	0.386
660	0.135	0.233	0.776	0.731	3.759	3.492	0.401
720	0.140	0.242	0.808	0.752	3.870	3.618	0.416

Pollutant Name: Carbon Monoxide      Temperature: 86F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.069	0.114	0.340	1.019	3.157	3.007	0.267
10	0.135	0.225	0.672	1.996	6.185	3.485	0.495
20	0.264	0.437	1.313	3.826	11.858	4.410	0.931

30	0.385	0.638	1.923	5.491	17.017	5.290	1.338
40	0.500	0.826	2.504	6.990	21.663	6.127	1.715
50	0.607	1.002	3.053	8.324	25.796	6.920	2.063
60	0.707	1.167	3.573	9.492	29.416	7.669	2.383
120	1.136	1.888	5.804	12.896	39.965	11.355	3.610
180	1.594	2.605	6.794	13.273	41.133	12.469	4.261
240	1.723	2.811	7.395	13.662	42.340	13.575	4.551
300	1.838	2.993	7.924	14.064	43.585	14.594	4.814
360	1.938	3.154	8.381	14.478	44.869	15.526	5.049
420	2.023	3.291	8.765	14.905	46.191	16.371	5.256
480	2.094	3.405	9.077	15.344	47.552	17.129	5.435
540	2.150	3.496	9.317	15.796	48.952	17.800	5.587
600	2.191	3.565	9.484	16.260	50.389	18.384	5.710
660	2.218	3.610	9.579	16.736	51.866	18.881	5.805
720	2.230	3.633	9.601	17.225	53.381	19.291	5.873

Pollutant Name: Oxides of Nitrogen      Temperature: 86F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.050	0.100	0.603	0.222	1.348	0.150	0.202
10	0.053	0.107	0.627	0.335	2.031	0.188	0.222
20	0.060	0.120	0.671	0.532	3.230	0.257	0.258
30	0.065	0.131	0.710	0.693	4.207	0.313	0.288
40	0.070	0.140	0.744	0.818	4.962	0.358	0.312
50	0.073	0.147	0.772	0.906	5.495	0.390	0.330
60	0.076	0.152	0.795	0.957	5.806	0.411	0.343
120	0.082	0.164	0.871	0.962	5.839	0.412	0.366
180	0.083	0.166	0.873	0.959	5.818	0.408	0.367
240	0.083	0.165	0.866	0.953	5.785	0.402	0.364
300	0.082	0.163	0.855	0.946	5.741	0.394	0.360
360	0.080	0.160	0.839	0.937	5.685	0.385	0.354
420	0.078	0.157	0.819	0.926	5.619	0.374	0.347
480	0.076	0.153	0.794	0.913	5.541	0.361	0.338
540	0.074	0.148	0.765	0.898	5.451	0.346	0.328
600	0.071	0.142	0.731	0.882	5.350	0.330	0.316
660	0.068	0.135	0.693	0.863	5.238	0.313	0.302
720	0.064	0.128	0.650	0.843	5.115	0.293	0.287

Pollutant Name: Carbon Dioxide      Temperature: 86F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	12.213	15.291	21.871	2.040	3.163	13.250	14.269
10	13.711	17.200	24.622	4.069	6.309	15.447	16.218
20	17.206	21.643	31.016	8.094	12.548	19.760	20.682

30	21.369	26.917	38.598	12.073	18.717	23.966	25.897
40	26.198	33.024	47.369	16.006	24.816	28.064	31.865
50	31.695	39.962	57.328	19.895	30.845	32.056	38.585
60	37.858	47.733	68.476	23.739	36.803	35.940	46.057
120	88.221	110.946	158.983	40.376	62.596	53.385	105.335
180	100.138	125.969	180.533	47.701	73.953	57.627	119.731
240	112.037	140.961	202.032	54.593	84.639	61.619	134.056
300	123.916	155.920	223.481	61.054	94.655	65.362	148.309
360	135.777	170.848	244.879	67.082	104.001	68.857	162.491
420	147.619	185.743	266.226	72.678	112.676	72.102	176.602
480	159.442	200.607	287.522	77.841	120.681	75.099	190.641
540	171.246	215.439	308.768	82.572	128.016	77.846	204.608
600	183.031	230.238	329.963	86.871	134.681	80.345	218.504
660	194.797	245.006	351.107	90.737	140.675	82.595	232.329
720	206.544	259.742	372.201	94.171	145.999	84.596	246.081

Pollutant Name: Sulfur Dioxide      Temperature: 86F   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	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	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	0.001	0.001	0.001
180	0.001	0.001	0.002	0.001	0.001	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	0.002
360	0.001	0.002	0.002	0.001	0.002	0.001	0.002
420	0.001	0.002	0.003	0.001	0.002	0.001	0.002
480	0.002	0.002	0.003	0.001	0.002	0.001	0.002
540	0.002	0.002	0.003	0.001	0.002	0.001	0.002
600	0.002	0.002	0.003	0.001	0.002	0.001	0.002
660	0.002	0.002	0.004	0.001	0.002	0.001	0.002
720	0.002	0.003	0.004	0.001	0.002	0.001	0.002

Pollutant Name: PM10      Temperature: 86F   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	0.001	0.006	0.002
20	0.002	0.004	0.004	0.001	0.002	0.005	0.003

30	0.004	0.006	0.006	0.002	0.003	0.004	0.005
40	0.005	0.008	0.007	0.002	0.004	0.003	0.006
50	0.006	0.010	0.009	0.003	0.004	0.003	0.007
60	0.007	0.012	0.011	0.003	0.005	0.003	0.009
120	0.011	0.019	0.017	0.004	0.007	0.006	0.014
180	0.012	0.022	0.020	0.004	0.007	0.008	0.016
240	0.014	0.024	0.021	0.004	0.007	0.011	0.017
300	0.015	0.025	0.023	0.004	0.008	0.012	0.019
360	0.015	0.027	0.024	0.005	0.008	0.014	0.020
420	0.016	0.028	0.025	0.005	0.008	0.016	0.021
480	0.017	0.029	0.026	0.005	0.008	0.017	0.021
540	0.017	0.030	0.027	0.005	0.009	0.018	0.022
600	0.017	0.031	0.027	0.005	0.009	0.018	0.022
660	0.018	0.031	0.028	0.005	0.009	0.019	0.023
720	0.018	0.031	0.028	0.005	0.009	0.019	0.023

Title : Kings County Subarea Summer  
Version : Emfac2007 V2.3 Nov 1 2006  
Run Date : 2007/11/05 10:36:42  
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
Season : Summer  
Area : Kings

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

County Average                      Kings                      County Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases      Temperature: 86F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.020	0.038	0.028	0.002	0.036	0.137	0.027
10	0.038	0.071	0.052	0.003	0.066	0.256	0.050
20	0.065	0.122	0.089	0.006	0.112	0.447	0.086
30	0.083	0.157	0.115	0.008	0.145	0.590	0.111
40	0.090	0.170	0.125	0.009	0.157	0.647	0.121

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of

Title : Kings County Subarea Summer  
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 Season : Summer  
 Area : Kings

\*\*\*\*\*

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

County Average                      Kings                      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
86	0.039	0.093	0.092	0.001	0.003	0.467	0.079

Title : Kings County Subarea Summer  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:36:42  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Summer  
 Area : Kings

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

County Average                      Kings                      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
86	0.003	0.007	0.006	0.000	0.001	0.044	0.006



Title : Kings County Subarea Summer  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:36:42  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Summer  
 Area : Kings

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

County Average                      Kings                      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
86	0.021	0.058	0.063	0.001	0.002	0.246	0.047

Title : Kings County Subarea Summer  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:36:42  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Summer  
 Area : Kings

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

County Average                      Kings                      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
86	0.002	0.004	0.004	0.000	0.001	0.025	0.004

Title : Kings County Subarea Summer  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:36:42  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Summer  
 Area : Kings

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

County Average                      Kings                      County Average

Table 7: Estimated Travel Fractions

Pollutant Name:                      Temperature: ALL    Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.357	0.278	0.117	0.235	0.003	0.010	1.000
%TRIP	0.381	0.297	0.216	0.094	0.000	0.012	1.000
%VEH	0.416	0.330	0.140	0.072	0.001	0.041	1.000

Title : Kings County Subarea Summer  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:36:42  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Summer  
 Area : Kings

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

County Average                      Kings                      County Average

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

Pollutant Name: Reactive Org Gases      Temperature: 86F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.008	0.207	0.209	0.010	0.508	0.004	0.089
2	0.006	0.105	0.107	0.005	0.256	0.036	0.046
3	0.007	0.074	0.075	0.004	0.173	0.053	0.033
4	0.008	0.059	0.060	0.003	0.132	0.063	0.028
5	0.009	0.050	0.052	0.003	0.108	0.069	0.025
10	0.011	0.034	0.035	0.002	0.060	0.080	0.019
15	0.011	0.029	0.031	0.001	0.046	0.082	0.017
20	0.011	0.027	0.029	0.001	0.039	0.083	0.016
25	0.011	0.026	0.028	0.001	0.036	0.082	0.016
30	0.011	0.025	0.028	0.001	0.035	0.080	0.015
35	0.011	0.025	0.027	0.001	0.035	0.079	0.015
40	0.011	0.025	0.027	0.001	0.034	0.077	0.015
45	0.011	0.024	0.027	0.001	0.033	0.076	0.015
50	0.010	0.024	0.026	0.001	0.033	0.074	0.015
55	0.010	0.024	0.026	0.001	0.032	0.073	0.014
60	0.010	0.023	0.026	0.001	0.032	0.071	0.014

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

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

County Average                      Kings                      County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases      Temperature: 50F    Relative Humidity: 85%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	0.007	0.014	0.018	0.192	0.434	2.176	0.077	

Pollutant Name: Carbon Monoxide      Temperature: 50F    Relative Humidity: 85%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	0.548	0.914	1.010	1.377	5.370	20.234	1.112	

Pollutant Name: Oxides of Nitrogen      Temperature: 50F    Relative Humidity: 85%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	0.055	0.114	0.204	2.250	11.534	1.248	0.648	

Pollutant Name: Carbon Dioxide      Temperature: 50F    Relative Humidity: 85%

Speed								
MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
45	284.353	358.513	483.618	1643.107	1851.531	144.563	650.918	

Pollutant Name: Sulfur Dioxide      Temperature: 50F    Relative Humidity: 85%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.003 0.003 0.005 0.016 0.018 0.002 0.006

Pollutant Name: PM10 Temperature: 50F Relative Humidity: 85%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.009 0.017 0.019 0.094 0.099 0.016 0.033

Pollutant Name: PM10 - Tire Wear Temperature: 50F Relative Humidity: 85%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.008 0.008 0.009 0.034 0.009 0.004 0.014

Pollutant Name: PM10 - Break Wear Temperature: 50F Relative Humidity: 85%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 0.013 0.013 0.013 0.027 0.013 0.006 0.016

Pollutant Name: Gasoline - mi/gal Temperature: 50F Relative Humidity: 85%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 31.066 24.612 18.355 19.120 18.747 48.290 26.967

Pollutant Name: Diesel - mi/gal Temperature: 50F Relative Humidity: 85%

Speed

MPH LDA LDT MDT HDT UBUS MCY ALL

45 29.156 29.156 19.461 5.980 3.959 0.000 6.405

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 Version : Emfac2007 V2.3 Nov 1 2006  
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 Season : Winter  
 Area : Kings

\*\*\*\*\*

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

County Average                      Kings                      County Average

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases      Temperature: 50F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.011	0.019	0.046	0.075	0.388	1.145	0.041
10	0.022	0.038	0.090	0.147	0.757	1.385	0.070
20	0.043	0.073	0.177	0.279	1.434	1.849	0.126
30	0.063	0.106	0.259	0.395	2.033	2.291	0.177
40	0.081	0.137	0.338	0.496	2.554	2.712	0.225
50	0.097	0.165	0.413	0.582	2.995	3.111	0.269
60	0.112	0.191	0.483	0.653	3.357	3.398	0.308
120	0.166	0.280	0.784	0.528	2.715	3.180	0.405
180	0.100	0.172	0.555	0.560	2.881	2.567	0.294
240	0.106	0.183	0.590	0.591	3.042	2.731	0.312
300	0.112	0.193	0.625	0.621	3.197	2.892	0.330
360	0.118	0.203	0.660	0.651	3.347	3.049	0.347
420	0.124	0.214	0.695	0.679	3.492	3.204	0.365
480	0.130	0.224	0.730	0.706	3.631	3.355	0.382
540	0.135	0.234	0.764	0.732	3.765	3.502	0.399
600	0.141	0.244	0.799	0.757	3.894	3.647	0.416
660	0.147	0.254	0.833	0.781	4.018	3.789	0.432
720	0.152	0.263	0.867	0.804	4.136	3.927	0.448

Pollutant Name: Carbon Monoxide      Temperature: 50F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.196	0.325	0.809	2.285	7.083	3.923	0.611
10	0.386	0.641	1.599	4.478	13.878	5.440	1.175
20	0.753	1.248	3.126	8.585	26.604	8.306	2.249

30	1.099	1.820	4.579	12.320	38.180	10.951	3.252
40	1.425	2.358	5.960	15.684	48.604	13.373	4.183
50	1.732	2.862	7.267	18.676	57.878	15.574	5.043
60	2.018	3.331	8.502	21.297	66.000	17.552	5.831
120	3.101	4.963	13.115	13.094	40.579	22.242	7.002
180	1.773	2.897	7.075	13.477	41.765	12.746	4.499
240	1.917	3.126	7.700	13.872	42.990	13.954	4.809
300	2.045	3.330	8.250	14.280	44.255	15.063	5.089
360	2.156	3.508	8.725	14.701	45.558	16.073	5.339
420	2.251	3.661	9.124	15.134	46.901	16.984	5.559
480	2.329	3.788	9.449	15.580	48.282	17.795	5.749
540	2.392	3.889	9.698	16.038	49.703	18.507	5.909
600	2.438	3.965	9.873	16.509	51.163	19.120	6.039
660	2.467	4.016	9.972	16.993	52.662	19.633	6.139
720	2.480	4.041	9.996	17.489	54.200	20.047	6.209

Pollutant Name: Oxides of Nitrogen      Temperature: 50F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.062	0.126	0.705	0.257	1.560	0.178	0.240
10	0.067	0.134	0.733	0.387	2.351	0.223	0.264
20	0.075	0.150	0.785	0.616	3.740	0.303	0.306
30	0.082	0.164	0.831	0.803	4.871	0.369	0.341
40	0.087	0.175	0.871	0.947	5.745	0.422	0.369
50	0.092	0.183	0.904	1.049	6.363	0.460	0.391
60	0.095	0.189	0.930	1.108	6.723	0.484	0.406
120	0.102	0.206	1.022	1.133	6.876	0.492	0.436
180	0.110	0.221	1.046	1.129	6.850	0.492	0.448
240	0.110	0.219	1.037	1.123	6.812	0.485	0.445
300	0.108	0.217	1.024	1.114	6.760	0.475	0.440
360	0.106	0.213	1.005	1.103	6.695	0.463	0.433
420	0.104	0.208	0.981	1.090	6.616	0.449	0.424
480	0.101	0.203	0.951	1.075	6.524	0.434	0.413
540	0.098	0.196	0.916	1.058	6.419	0.416	0.400
600	0.094	0.188	0.876	1.038	6.300	0.396	0.386
660	0.090	0.179	0.830	1.017	6.168	0.374	0.369
720	0.085	0.170	0.779	0.993	6.023	0.350	0.351

Pollutant Name: Carbon Dioxide      Temperature: 50F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	12.213	15.291	21.871	2.040	3.163	13.250	14.269
10	13.711	17.200	24.622	4.069	6.309	15.447	16.218
20	17.206	21.643	31.016	8.094	12.548	19.760	20.682

30	21.369	26.917	38.598	12.073	18.717	23.966	25.897
40	26.198	33.024	47.369	16.006	24.816	28.064	31.865
50	31.695	39.962	57.328	19.895	30.845	32.056	38.585
60	37.858	47.733	68.476	23.739	36.803	35.940	46.057
120	88.221	110.946	158.983	40.376	62.596	53.385	105.335
180	100.138	125.969	180.533	47.701	73.953	57.627	119.731
240	112.037	140.961	202.032	54.593	84.639	61.619	134.056
300	123.916	155.920	223.481	61.054	94.655	65.362	148.309
360	135.777	170.848	244.879	67.082	104.001	68.857	162.491
420	147.619	185.743	266.226	72.678	112.676	72.102	176.602
480	159.442	200.607	287.522	77.841	120.681	75.099	190.641
540	171.246	215.439	308.768	82.572	128.016	77.846	204.608
600	183.031	230.238	329.963	86.871	134.681	80.345	218.504
660	194.797	245.006	351.107	90.737	140.675	82.595	232.329
720	206.544	259.742	372.201	94.171	145.999	84.596	246.081

Pollutant Name: Sulfur Dioxide      Temperature: 50F   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	0.001	0.000
50	0.000	0.000	0.001	0.000	0.001	0.001	0.000
60	0.000	0.001	0.001	0.001	0.001	0.001	0.001
120	0.001	0.001	0.002	0.001	0.001	0.001	0.001
180	0.001	0.001	0.002	0.001	0.001	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	0.002
360	0.001	0.002	0.003	0.001	0.002	0.001	0.002
420	0.001	0.002	0.003	0.001	0.002	0.001	0.002
480	0.002	0.002	0.003	0.001	0.002	0.001	0.002
540	0.002	0.002	0.003	0.001	0.002	0.001	0.002
600	0.002	0.002	0.003	0.001	0.002	0.001	0.002
660	0.002	0.002	0.004	0.001	0.002	0.001	0.002
720	0.002	0.003	0.004	0.001	0.002	0.001	0.002

Pollutant Name: PM10      Temperature: 50F   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	0.001	0.006	0.002
20	0.002	0.004	0.004	0.001	0.002	0.005	0.003



30	0.004	0.006	0.006	0.002	0.003	0.004	0.005
40	0.005	0.008	0.007	0.002	0.004	0.003	0.006
50	0.006	0.010	0.009	0.003	0.004	0.003	0.007
60	0.007	0.012	0.011	0.003	0.005	0.003	0.009
120	0.011	0.019	0.017	0.004	0.007	0.006	0.014
180	0.012	0.022	0.020	0.004	0.007	0.008	0.016
240	0.014	0.024	0.021	0.004	0.007	0.011	0.017
300	0.015	0.025	0.023	0.004	0.008	0.012	0.019
360	0.015	0.027	0.024	0.005	0.008	0.014	0.020
420	0.016	0.028	0.025	0.005	0.008	0.016	0.021
480	0.017	0.029	0.026	0.005	0.008	0.017	0.021
540	0.017	0.030	0.027	0.005	0.009	0.018	0.022
600	0.017	0.031	0.027	0.005	0.009	0.018	0.022
660	0.018	0.031	0.028	0.005	0.009	0.019	0.023
720	0.018	0.031	0.028	0.005	0.009	0.019	0.023

Title : Lemoore Kings County Winter  
Version : Emfac2007 V2.3 Nov 1 2006  
Run Date : 2007/11/05 10:49:00  
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
Season : Winter  
Area : Kings

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

County Average                      Kings                      County Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases      Temperature: 50F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.018	0.034	0.026	0.002	0.028	0.087	0.024
10	0.033	0.063	0.047	0.003	0.052	0.161	0.044
20	0.057	0.108	0.081	0.005	0.088	0.278	0.075
30	0.073	0.139	0.104	0.007	0.113	0.362	0.096
40	0.079	0.150	0.112	0.008	0.122	0.395	0.104

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

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

\*\*\*\*\*

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

County Average                      Kings                      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
50	0.006	0.013	0.014	0.000	0.000	0.013	0.009

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

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

County Average                      Kings                      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
50	0.000	0.001	0.001	0.000	0.000	0.001	0.001

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

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

County Average                      Kings                      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
50	0.004	0.010	0.011	0.000	0.000	0.011	0.007

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

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

County Average                      Kings                      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
50	0.000	0.001	0.001	0.000	0.000	0.001	0.001

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

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

County Average                      Kings                      County Average

Table 7: Estimated Travel Fractions

Pollutant Name:                      Temperature: ALL    Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.357	0.278	0.117	0.235	0.003	0.010	1.000
%TRIP	0.381	0.297	0.216	0.094	0.000	0.012	1.000
%VEH	0.416	0.330	0.140	0.072	0.001	0.041	1.000

Title : Lemoore Kings County Winter  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2007/11/05 10:49:00  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Winter  
 Area : Kings

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

County Average                      Kings                      County Average

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

Pollutant Name: Reactive Org Gases      Temperature: 50F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.008	0.209	0.212	0.011	0.516	0.003	0.090
2	0.006	0.110	0.111	0.006	0.267	0.038	0.048
3	0.007	0.078	0.080	0.004	0.185	0.057	0.036
4	0.008	0.064	0.066	0.003	0.144	0.069	0.030
5	0.009	0.056	0.058	0.003	0.120	0.077	0.027
10	0.012	0.041	0.042	0.002	0.074	0.100	0.022
15	0.014	0.037	0.039	0.002	0.061	0.113	0.022
20	0.015	0.037	0.039	0.002	0.056	0.124	0.022
25	0.016	0.038	0.040	0.002	0.055	0.134	0.023
30	0.017	0.039	0.042	0.002	0.058	0.141	0.024
35	0.017	0.041	0.044	0.002	0.061	0.148	0.025
40	0.018	0.043	0.045	0.002	0.063	0.154	0.026
45	0.019	0.044	0.047	0.002	0.065	0.161	0.027
50	0.019	0.045	0.048	0.002	0.068	0.167	0.028
55	0.020	0.047	0.050	0.002	0.070	0.173	0.028
60	0.020	0.048	0.051	0.002	0.072	0.178	0.029