

Nevada County EMFAC.rts

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Amador (MC)

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

Amador (MC)

Amador (MC)

Amador (MC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.056	0.115	0.154	0.583	4.561	4.681	0.197
35	0.008	0.018	0.026	0.097	0.717	1.804	0.049

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.949	1.677	2.090	4.470	50.581	22.073	1.971
35	0.562	0.962	1.060	0.934	9.886	14.292	1.067

Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.095	0.208	0.440	2.438	14.596	1.388	0.312
35	0.054	0.114	0.265	1.218	9.559	1.264	0.181

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	922.966	1171.218	1726.449	2157.031	2398.510	266.298	1174.294
35	300.262	382.085	519.084	1214.141	1391.802	139.926	396.182

Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:
 0%

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Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.021	0.024	0.003	0.011
35	0.003	0.004	0.005	0.012	0.013	0.002	0.004

Pollutant Name: PM2.5 Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.046	0.076	0.098	0.190	0.328	0.023	0.071
35	0.007	0.012	0.017	0.065	0.077	0.011	0.013

Pollutant Name: PM2.5 - Tire Wear Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.004	0.002	0.001	0.002
35	0.002	0.002	0.002	0.004	0.002	0.001	0.002

Pollutant Name: PM2.5 - Brake wear Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.006	0.005	0.003	0.005
35	0.005	0.005	0.005	0.006	0.005	0.003	0.005

Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.582	7.522	4.952	3.516	3.295	28.041	8.287
35	29.422	23.088	17.018	17.769	16.689	52.649	25.162

Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.499	5.871	4.414	0.000	11.603
35	29.156	29.156	19.499	6.458	4.414	0.000	11.956

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Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.006	0.014	0.037	0.062	0.447	0.650	0.030
10	0.012	0.027	0.073	0.122	0.870	0.802	0.051
20	0.023	0.052	0.143	0.230	1.650	1.095	0.090
30	0.033	0.075	0.209	0.327	2.339	1.371	0.127
40	0.042	0.096	0.274	0.410	2.938	1.631	0.161
50	0.051	0.115	0.335	0.481	3.445	1.875	0.193
60	0.058	0.132	0.393	0.539	3.862	2.052	0.221
120	0.089	0.192	0.670	0.606	4.342	2.320	0.322
180	0.087	0.188	0.664	0.643	4.608	2.348	0.321
240	0.092	0.199	0.707	0.679	4.864	2.496	0.341
300	0.097	0.211	0.749	0.714	5.113	2.641	0.361
360	0.103	0.222	0.791	0.747	5.353	2.783	0.380
420	0.108	0.233	0.833	0.780	5.584	2.922	0.400
480	0.113	0.243	0.875	0.811	5.807	3.058	0.419
540	0.118	0.254	0.916	0.841	6.022	3.191	0.437
600	0.123	0.264	0.958	0.870	6.228	3.321	0.456
660	0.128	0.275	0.999	0.897	6.426	3.448	0.474
720	0.133	0.285	1.040	0.924	6.616	3.571	0.492

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.096	0.206	0.517	0.823	6.751	2.971	0.321
10	0.190	0.406	1.023	1.612	13.229	3.585	0.592
20	0.371	0.789	2.001	3.090	25.360	4.760	1.112
30	0.542	1.148	2.933	4.435	36.394	5.867	1.601
40	0.703	1.484	3.820	5.646	46.330	6.903	2.059
50	0.855	1.795	4.661	6.723	55.170	7.871	2.487
60	0.996	2.084	5.457	7.667	62.912	8.769	2.884
120	1.564	3.138	8.761	8.953	73.471	12.410	4.327

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180	1.474	2.964	8.390	9.215	75.618	12.019	4.157
240	1.595	3.180	9.144	9.485	77.837	13.034	4.476
300	1.702	3.373	9.806	9.764	80.126	13.971	4.761
360	1.795	3.544	10.376	10.052	82.486	14.832	5.012
420	1.875	3.693	10.855	10.348	84.917	15.615	5.229
480	1.940	3.819	11.243	10.653	87.419	16.322	5.412
540	1.992	3.923	11.539	10.967	89.991	16.951	5.561
600	2.030	4.004	11.744	11.289	92.635	17.504	5.676
660	2.054	4.062	11.857	11.619	95.349	17.979	5.758
720	2.064	4.098	11.879	11.959	98.134	18.378	5.805

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.051	0.113	0.830	0.224	2.375	0.154	0.254
10	0.054	0.123	0.860	0.337	3.579	0.193	0.273
20	0.060	0.140	0.915	0.536	5.693	0.263	0.305
30	0.066	0.154	0.963	0.699	7.415	0.320	0.333
40	0.070	0.166	1.005	0.824	8.746	0.365	0.355
50	0.074	0.175	1.042	0.913	9.686	0.398	0.373
60	0.076	0.181	1.071	0.964	10.234	0.420	0.386
120	0.082	0.194	1.178	0.971	10.309	0.422	0.417
180	0.083	0.195	1.179	0.968	10.271	0.418	0.417
240	0.082	0.194	1.170	0.962	10.213	0.412	0.414
300	0.081	0.191	1.154	0.955	10.135	0.404	0.409
360	0.080	0.188	1.133	0.946	10.037	0.394	0.402
420	0.078	0.184	1.105	0.935	9.919	0.382	0.393
480	0.076	0.179	1.071	0.922	9.781	0.369	0.382
540	0.073	0.174	1.031	0.907	9.624	0.354	0.369
600	0.070	0.167	0.985	0.890	9.446	0.338	0.355
660	0.067	0.160	0.932	0.871	9.248	0.319	0.338
720	0.063	0.151	0.874	0.851	9.030	0.299	0.319

ALL Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.979	14.915	21.901	2.923	4.767	13.197	14.820
10	13.435	16.842	24.631	5.829	9.507	15.392	16.826
20	16.839	21.299	30.986	11.594	18.908	19.701	21.421
30	20.898	26.563	38.533	17.294	28.204	23.903	26.795
40	25.612	32.633	47.272	22.929	37.394	27.999	32.948
50	30.982	39.508	57.204	28.499	46.479	31.987	39.880
60	37.007	47.190	68.327	34.005	55.458	35.869	47.592
120	86.346	109.146	158.846	57.837	94.324	53.301	108.865
180	97.996	123.993	180.351	68.330	111.437	57.552	123.706
240	109.632	138.794	201.812	78.204	127.540	61.553	138.477
300	121.251	153.547	223.227	87.458	142.632	65.305	153.177
360	132.856	168.254	244.598	96.093	156.715	68.807	167.808
420	144.445	182.915	265.924	104.109	169.788	72.060	182.369
480	156.018	197.528	287.206	111.505	181.850	75.064	196.859
540	167.576	212.095	308.443	118.282	192.903	77.817	211.280
600	179.118	226.615	329.634	124.440	202.946	80.322	225.631
660	190.646	241.089	350.781	129.979	211.978	82.577	239.912

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720 202.157 255.516 371.884 134.898 220.000 84.582 254.122

Pollutant Name: Sulfur Dioxide Temperature: 70F 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	0.002	0.001	0.001
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	0.003	0.001	0.001
300	0.001	0.002	0.002	0.001	0.003	0.001	0.002
360	0.001	0.002	0.003	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	0.004	0.001	0.002
660	0.002	0.002	0.004	0.001	0.004	0.001	0.002
720	0.002	0.003	0.004	0.002	0.004	0.001	0.003

Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.001	0.001	0.001	0.001	0.005	0.001
20	0.002	0.003	0.003	0.001	0.003	0.004	0.002
30	0.002	0.004	0.004	0.002	0.004	0.003	0.003
40	0.003	0.006	0.005	0.002	0.005	0.003	0.005
50	0.004	0.007	0.006	0.003	0.006	0.002	0.006
60	0.005	0.008	0.008	0.003	0.007	0.002	0.006
120	0.008	0.013	0.012	0.004	0.010	0.005	0.011
180	0.009	0.014	0.014	0.005	0.010	0.007	0.012
240	0.009	0.016	0.015	0.005	0.010	0.008	0.013
300	0.010	0.017	0.016	0.005	0.010	0.010	0.014
360	0.011	0.018	0.017	0.005	0.011	0.011	0.015
420	0.011	0.019	0.018	0.005	0.011	0.012	0.015
480	0.012	0.019	0.019	0.005	0.011	0.013	0.016
540	0.012	0.020	0.019	0.006	0.012	0.014	0.016
600	0.012	0.020	0.019	0.006	0.012	0.014	0.017
660	0.012	0.020	0.020	0.006	0.012	0.015	0.017
720	0.012	0.020	0.020	0.006	0.013	0.015	0.017

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Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.032	0.064	0.031	0.004	0.108	0.173	0.046
10	0.060	0.118	0.057	0.008	0.199	0.322	0.084
20	0.103	0.203	0.097	0.013	0.340	0.565	0.144
30	0.132	0.261	0.126	0.017	0.437	0.747	0.187
40	0.144	0.283	0.137	0.019	0.473	0.821	0.203

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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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
70	0.036	0.092	0.059	0.003	0.007	0.446	0.087

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Amador (MC) Amador (MC) Amador (MC)

Table 5b: Multi-Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases								Temperature: ALL	Relative Humidity:
Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL		
70	0.003	0.007	0.004	0.000	0.002	0.042	0.007		

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Table 6a: Partial Day Resting Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases								Temperature: ALL	Relative Humidity:
Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL		
70	0.017	0.046	0.038	0.002	0.002	0.141	0.039		

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Table 6b: Multi-Day Resting Loss Emissions

(grams/hour)

Pollutant Name:	Reactive Org Gases						Temperature: ALL	Relative Humidity:
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
Temp degF								
70	0.001	0.004	0.003	0.000	0.001	0.014	0.003	

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Table 7: Estimated Travel Fractions

Pollutant Name:	Reactive Org Gases						Temperature: ALL	Relative Humidity:
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
%VMT	0.359	0.458	0.130	0.034	0.001	0.017	1.000	
%TRIP	0.320	0.394	0.215	0.052	0.000	0.018	1.000	
%VEH	0.348	0.440	0.115	0.035	0.000	0.061	1.000	

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Amador (MC)

Amador (MC)

Amador (MC)

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.007	0.421	0.342	0.189	1.283	0.003	0.248
2	0.007	0.219	0.178	0.098	0.663	0.038	0.131
3	0.009	0.154	0.126	0.069	0.457	0.057	0.094
4	0.011	0.123	0.101	0.055	0.356	0.068	0.077
5	0.013	0.105	0.087	0.047	0.296	0.077	0.067
10	0.018	0.072	0.061	0.031	0.178	0.100	0.050
15	0.021	0.064	0.056	0.028	0.143	0.113	0.047
20	0.022	0.063	0.057	0.027	0.130	0.124	0.047
25	0.024	0.064	0.059	0.028	0.124	0.133	0.049
30	0.025	0.067	0.062	0.030	0.130	0.141	0.051
35	0.026	0.070	0.065	0.031	0.136	0.148	0.054
40	0.027	0.073	0.067	0.032	0.142	0.154	0.056
45	0.028	0.076	0.070	0.033	0.147	0.161	0.058
50	0.029	0.078	0.072	0.034	0.152	0.167	0.060
55	0.029	0.081	0.074	0.035	0.157	0.172	0.062
60	0.030	0.083	0.076	0.036	0.161	0.178	0.063

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 Season : Winter
 Area : Calaveras (MC)

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Calaveras (MC)

Calaveras (MC)

Calaveras

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(MC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.053	0.106	0.152	1.041	5.911	4.675	0.203
35	0.008	0.017	0.026	0.131	0.857	1.802	0.047

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.929	1.586	2.064	4.487	70.727	22.031	1.867
35	0.551	0.914	1.048	0.943	13.935	14.266	1.014

Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.092	0.193	0.436	3.830	5.999	1.383	0.360
35	0.052	0.107	0.263	1.623	7.420	1.260	0.190

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	922.716	1171.279	1730.534	2637.369	2398.802	266.300	1209.914
35	300.189	382.023	518.943	1351.192	1065.325	139.927	408.999

Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.025	0.024	0.003	0.012
35	0.003	0.004	0.005	0.013	0.010	0.002	0.004

Pollutant Name: PM2.5 Temperature: 70F Relative Humidity: 0%

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Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.047	0.077	0.097	0.150	0.091	0.023	0.072
35	0.008	0.013	0.017	0.061	0.017	0.011	0.013

0% Pollutant Name: PM2.5 - Tire wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.005	0.003	0.001	0.002
35	0.002	0.002	0.002	0.005	0.003	0.001	0.002

0% Pollutant Name: PM2.5 - Brake wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.008	0.005	0.003	0.005
35	0.005	0.005	0.005	0.008	0.005	0.003	0.005

0% Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.585	7.525	4.940	3.515	3.274	28.048	8.201
35	29.431	23.098	17.026	17.764	16.588	52.664	24.969

0% Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.471	4.645	4.635	0.000	10.092
35	29.156	29.156	19.471	6.102	4.635	0.000	11.056

Title : Mountain Counties Air Basin Subarea winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Calaveras (MC)

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

(MC) Calaveras (MC) Calaveras (MC) Calaveras

Table 2: Starting Emissions (grams/trip)

ALL Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.006	0.013	0.036	0.063	0.639	0.649	0.030
10	0.011	0.025	0.072	0.122	1.247	0.801	0.051
20	0.022	0.048	0.140	0.231	2.363	1.093	0.090
30	0.032	0.069	0.207	0.328	3.350	1.368	0.127
40	0.041	0.088	0.270	0.412	4.207	1.628	0.161
50	0.049	0.106	0.331	0.483	4.934	1.871	0.193
60	0.057	0.121	0.389	0.541	5.531	2.048	0.222
120	0.088	0.178	0.668	0.609	6.219	2.315	0.327
180	0.085	0.175	0.661	0.646	6.599	2.343	0.326
240	0.091	0.186	0.703	0.682	6.966	2.491	0.347
300	0.096	0.196	0.746	0.717	7.322	2.636	0.367
360	0.101	0.206	0.788	0.750	7.666	2.777	0.386
420	0.106	0.217	0.830	0.783	7.997	2.916	0.406
480	0.111	0.227	0.871	0.814	8.317	3.052	0.425
540	0.116	0.237	0.913	0.844	8.624	3.184	0.445
600	0.121	0.246	0.954	0.873	8.920	3.314	0.464
660	0.126	0.256	0.995	0.901	9.203	3.440	0.482
720	0.131	0.265	1.036	0.927	9.474	3.564	0.501

ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.097	0.193	0.514	0.892	9.735	2.966	0.326
10	0.191	0.381	1.017	1.747	19.075	3.576	0.601
20	0.372	0.741	1.989	3.349	36.567	4.744	1.128
30	0.544	1.079	2.916	4.806	52.477	5.843	1.625
40	0.706	1.395	3.799	6.119	66.805	6.874	2.091
50	0.858	1.689	4.637	7.286	79.551	7.836	2.526
60	1.000	1.962	5.431	8.309	90.714	8.729	2.931
120	1.573	2.971	8.750	9.703	105.939	12.355	4.422
180	1.484	2.808	8.374	9.987	109.036	11.971	4.249
240	1.607	3.017	9.132	10.280	112.235	12.984	4.581
300	1.715	3.204	9.796	10.582	115.536	13.919	4.876
360	1.809	3.368	10.369	10.894	118.939	14.778	5.136
420	1.890	3.511	10.849	11.215	122.444	15.560	5.360
480	1.956	3.631	11.237	11.545	126.051	16.265	5.549
540	2.008	3.729	11.533	11.885	129.761	16.892	5.702
600	2.046	3.805	11.736	12.234	133.572	17.443	5.819
660	2.070	3.859	11.847	12.592	137.486	17.917	5.900
720	2.080	3.891	11.866	12.960	141.501	18.314	5.946

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ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.050	0.106	0.835	0.231	3.368	0.153	0.268
10	0.054	0.115	0.863	0.348	5.074	0.192	0.286
20	0.060	0.130	0.916	0.554	8.072	0.262	0.318
30	0.065	0.143	0.962	0.721	10.514	0.319	0.345
40	0.069	0.154	1.003	0.851	12.401	0.364	0.367
50	0.072	0.162	1.038	0.942	13.733	0.397	0.385
60	0.075	0.168	1.068	0.995	14.511	0.418	0.398
120	0.081	0.180	1.175	1.003	14.616	0.420	0.430
180	0.081	0.181	1.176	0.999	14.562	0.417	0.431
240	0.080	0.180	1.167	0.993	14.480	0.410	0.427
300	0.079	0.178	1.152	0.986	14.370	0.402	0.422
360	0.078	0.175	1.130	0.976	14.231	0.392	0.415
420	0.076	0.171	1.102	0.965	14.064	0.381	0.405
480	0.074	0.167	1.068	0.951	13.868	0.368	0.394
540	0.072	0.161	1.028	0.936	13.645	0.353	0.380
600	0.069	0.155	0.981	0.919	13.392	0.336	0.365
660	0.066	0.148	0.929	0.900	13.112	0.318	0.348
720	0.062	0.140	0.870	0.878	12.803	0.298	0.328

ALL Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.986	14.967	21.968	2.874	6.314	13.192	15.101
10	13.439	16.873	24.694	5.732	12.593	15.387	17.118
20	16.837	21.295	31.045	11.401	25.045	19.695	21.748
30	20.891	26.527	38.593	17.006	37.358	23.897	27.174
40	25.601	32.571	47.337	22.548	49.532	27.992	33.396
50	30.967	39.426	57.279	28.026	61.565	31.981	40.414
60	36.989	47.092	68.417	33.440	73.459	35.862	48.227
120	86.336	109.139	159.155	56.876	124.941	53.292	110.526
180	97.982	123.957	180.689	67.194	147.609	57.544	125.564
240	109.613	138.735	202.182	76.904	168.938	61.546	140.538
300	121.229	153.472	223.632	86.005	188.930	65.299	155.446
360	132.831	168.170	245.041	94.496	207.584	68.802	170.290
420	144.418	182.826	266.407	102.379	224.900	72.055	185.069
480	155.990	197.442	287.732	109.652	240.878	75.059	199.783
540	167.549	212.018	309.014	116.317	255.518	77.813	214.432
600	179.092	226.554	330.255	122.372	268.820	80.318	229.016
660	190.621	241.049	351.453	127.819	280.785	82.574	243.535
720	202.136	255.503	372.610	132.656	291.411	84.579	257.989

ALL Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

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

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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	0.002	0.000	0.000
50	0.000	0.000	0.001	0.000	0.002	0.000	0.000
60	0.000	0.000	0.001	0.000	0.002	0.001	0.001
120	0.001	0.001	0.002	0.001	0.003	0.001	0.001
180	0.001	0.001	0.002	0.001	0.003	0.001	0.001
240	0.001	0.001	0.002	0.001	0.004	0.001	0.001
300	0.001	0.002	0.002	0.001	0.004	0.001	0.002
360	0.001	0.002	0.003	0.001	0.004	0.001	0.002
420	0.001	0.002	0.003	0.001	0.004	0.001	0.002
480	0.002	0.002	0.003	0.001	0.004	0.001	0.002
540	0.002	0.002	0.003	0.001	0.005	0.001	0.002
600	0.002	0.002	0.003	0.001	0.005	0.001	0.002
660	0.002	0.002	0.004	0.001	0.005	0.001	0.002
720	0.002	0.003	0.004	0.001	0.005	0.001	0.003

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.002	0.001	0.001	0.002	0.005	0.001
20	0.002	0.003	0.003	0.001	0.004	0.004	0.002
30	0.003	0.004	0.004	0.002	0.005	0.003	0.004
40	0.003	0.006	0.005	0.002	0.007	0.003	0.005
50	0.004	0.007	0.006	0.003	0.008	0.002	0.006
60	0.005	0.008	0.007	0.003	0.009	0.002	0.007
120	0.008	0.013	0.012	0.004	0.013	0.005	0.011
180	0.009	0.015	0.014	0.004	0.013	0.007	0.012
240	0.010	0.016	0.015	0.004	0.013	0.008	0.013
300	0.011	0.017	0.016	0.005	0.014	0.010	0.014
360	0.011	0.018	0.017	0.005	0.014	0.011	0.015
420	0.012	0.019	0.018	0.005	0.015	0.012	0.016
480	0.012	0.020	0.018	0.005	0.015	0.013	0.016
540	0.013	0.020	0.019	0.005	0.016	0.014	0.017
600	0.013	0.021	0.019	0.005	0.016	0.014	0.017
660	0.013	0.021	0.019	0.005	0.016	0.015	0.017
720	0.013	0.021	0.019	0.006	0.017	0.015	0.017

Title : Mountain Counties Air Basin Subarea winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Calaveras (MC)

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

(MC) Calaveras (MC) Calaveras (MC) Calaveras

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Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.031	0.057	0.030	0.005	0.138	0.173	0.043
10	0.058	0.106	0.056	0.010	0.255	0.322	0.079
20	0.099	0.182	0.096	0.017	0.435	0.565	0.136
30	0.128	0.234	0.124	0.022	0.558	0.747	0.176
40	0.139	0.254	0.135	0.024	0.603	0.821	0.191

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

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Winter
Area : Calaveras (MC)

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

Calaveras (MC) Calaveras (MC) Calaveras

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
70	0.034	0.082	0.060	0.003	0.009	0.446	0.084

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Winter
Area : Calaveras (MC)

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

Calaveras (MC) Calaveras (MC) Calaveras
 (MC)

Table 5b: Multi-Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name:	Reactive Org Gases			Temperature: ALL			Relative Humidity:	
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
Temp degF								
70	0.003	0.006	0.004	0.000	0.003	0.042	0.007	

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Calaveras (MC)

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

Calaveras (MC) Calaveras (MC) Calaveras
 (MC)

Table 6a: Partial Day Resting Loss Emissions

(grams/hour)

Pollutant Name:	Reactive Org Gases			Temperature: ALL			Relative Humidity:	
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
Temp degF								
70	0.017	0.042	0.038	0.002	0.003	0.141	0.038	

Title : Mountain Counties Air Basin Subarea winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Calaveras (MC)

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

Calaveras (MC) Calaveras (MC) Calaveras
 (MC)

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	
70	0.001	0.003	0.003	0.000	0.001	0.014	0.003	

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Calaveras (MC)

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

Calaveras (MC) Calaveras (MC) Calaveras
 (MC)

Table 7: Estimated Travel Fractions

Pollutant Name:				Temperature: ALL			Relative Humidity:	
ALL								
	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
%VMT	0.340	0.466	0.137	0.041	0.000	0.015	1.000	
%TRIP	0.298	0.399	0.236	0.049	0.000	0.019	1.000	
%VEH	0.327	0.446	0.126	0.038	0.000	0.063	1.000	

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Calaveras (MC)

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

Calaveras (MC) Calaveras (MC) Calaveras
 (MC)

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.007	0.378	0.342	0.184	1.275	0.003	0.233
2	0.007	0.197	0.178	0.095	0.655	0.038	0.123
3	0.009	0.139	0.126	0.067	0.452	0.057	0.089
4	0.011	0.111	0.101	0.053	0.352	0.068	0.073
5	0.013	0.095	0.087	0.045	0.293	0.077	0.064
10	0.018	0.066	0.061	0.030	0.180	0.100	0.048
15	0.020	0.059	0.056	0.026	0.149	0.113	0.045
20	0.022	0.058	0.056	0.025	0.139	0.124	0.045
25	0.024	0.060	0.059	0.025	0.139	0.133	0.047
30	0.025	0.063	0.062	0.027	0.147	0.141	0.050
35	0.026	0.066	0.065	0.028	0.154	0.148	0.052
40	0.027	0.068	0.067	0.029	0.160	0.154	0.054
45	0.028	0.071	0.070	0.030	0.167	0.161	0.056
50	0.029	0.073	0.072	0.031	0.173	0.167	0.057
55	0.029	0.075	0.074	0.032	0.179	0.172	0.059
60	0.030	0.078	0.076	0.033	0.185	0.178	0.061

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

El Dorado (MC) El Dorado (MC) El Dorado
 (MC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.036	0.075	0.117	0.322	1.742	4.663	0.137

Nevada County EMFAC.rts

35 0.006 0.012 0.020 0.066 0.312 1.799 0.038

0% Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.746	1.357	1.789	3.274	17.327	21.967	1.506
35	0.444	0.790	0.926	0.684	3.261	14.227	0.859

0% Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.066	0.146	0.359	2.124	11.331	1.374	0.204
35	0.038	0.081	0.214	1.167	5.868	1.254	0.122

0% Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	922.794	1175.209	1716.131	2020.115	2438.718	266.262	1149.668
35	300.204	383.224	520.168	1135.574	1471.385	139.901	379.269

0% Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.016	0.019	0.024	0.003	0.011
35	0.003	0.004	0.005	0.011	0.014	0.002	0.004

0% Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.041	0.075	0.087	0.164	0.348	0.023	0.063
35	0.007	0.012	0.015	0.054	0.082	0.011	0.011

0% Pollutant Name: PM2.5 - Tire Wear Temperature: 70F Relative Humidity:

Speed

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MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.003	0.002	0.001	0.002
35	0.002	0.002	0.002	0.003	0.002	0.001	0.002

0% Pollutant Name: PM2.5 - Brake Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.006	0.005	0.003	0.005
35	0.005	0.005	0.005	0.006	0.005	0.003	0.005

0% Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.588	7.504	5.028	3.520	3.454	28.064	8.348
35	29.447	23.039	16.989	17.787	17.466	52.694	25.395

0% Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.478	6.336	4.254	0.000	13.723
35	29.156	29.156	19.478	6.593	4.254	0.000	13.845

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

Table 2: Starting Emissions (grams/trip)

ALL Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Nevada County EMFAC.rts

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.009	0.028	0.046	0.202	0.650	0.026
10	0.009	0.018	0.055	0.089	0.393	0.801	0.042
20	0.018	0.034	0.108	0.168	0.746	1.090	0.072
30	0.027	0.050	0.159	0.239	1.057	1.364	0.100
40	0.034	0.064	0.207	0.300	1.328	1.622	0.127
50	0.041	0.077	0.253	0.352	1.557	1.864	0.152
60	0.048	0.089	0.297	0.394	1.746	2.040	0.174
120	0.075	0.139	0.504	0.443	1.963	2.304	0.256
180	0.073	0.135	0.500	0.470	2.083	2.333	0.255
240	0.077	0.144	0.532	0.496	2.199	2.480	0.271
300	0.082	0.152	0.563	0.522	2.311	2.624	0.287
360	0.086	0.160	0.595	0.546	2.419	2.766	0.302
420	0.091	0.168	0.626	0.570	2.524	2.904	0.318
480	0.095	0.176	0.658	0.593	2.625	3.039	0.333
540	0.099	0.184	0.689	0.615	2.722	3.171	0.348
600	0.104	0.192	0.720	0.636	2.815	3.301	0.363
660	0.108	0.200	0.751	0.656	2.905	3.427	0.378
720	0.112	0.208	0.782	0.675	2.990	3.550	0.393

ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.073	0.130	0.423	0.687	2.508	2.966	0.256
10	0.144	0.257	0.837	1.346	4.915	3.565	0.461
20	0.281	0.500	1.637	2.580	9.421	4.712	0.853
30	0.411	0.730	2.399	3.702	13.521	5.793	1.224
40	0.533	0.945	3.123	4.713	17.212	6.807	1.573
50	0.649	1.148	3.810	5.613	20.496	7.755	1.900
60	0.757	1.336	4.459	6.400	23.373	8.635	2.205
120	1.197	2.071	7.139	7.474	27.295	12.229	3.362
180	1.128	1.956	6.838	7.693	28.093	11.866	3.228
240	1.222	2.111	7.449	7.919	28.917	12.879	3.488
300	1.305	2.249	7.985	8.152	29.768	13.814	3.719
360	1.378	2.370	8.448	8.392	30.645	14.672	3.922
420	1.439	2.473	8.836	8.639	31.548	15.452	4.097
480	1.490	2.559	9.151	8.893	32.477	16.155	4.243
540	1.529	2.628	9.393	9.155	33.433	16.781	4.360
600	1.558	2.679	9.560	9.424	34.415	17.328	4.449
660	1.576	2.713	9.654	9.700	35.423	17.799	4.509
720	1.583	2.729	9.674	9.984	36.458	18.192	4.541

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.034	0.070	0.614	0.171	0.963	0.153	0.191
10	0.036	0.075	0.637	0.257	1.451	0.192	0.203
20	0.040	0.085	0.679	0.409	2.307	0.260	0.225
30	0.044	0.093	0.716	0.533	3.006	0.317	0.244
40	0.047	0.100	0.748	0.629	3.545	0.362	0.259

Nevada County EMFAC.rts

50	0.049	0.105	0.775	0.696	3.926	0.395	0.272
60	0.051	0.108	0.798	0.736	4.148	0.415	0.281
120	0.055	0.117	0.876	0.741	4.178	0.418	0.304
180	0.055	0.117	0.877	0.738	4.163	0.414	0.304
240	0.055	0.116	0.870	0.734	4.140	0.408	0.302
300	0.054	0.115	0.859	0.729	4.108	0.400	0.298
360	0.053	0.113	0.843	0.722	4.068	0.390	0.293
420	0.052	0.111	0.822	0.713	4.021	0.378	0.286
480	0.051	0.108	0.797	0.703	3.965	0.365	0.278
540	0.049	0.104	0.767	0.692	3.901	0.350	0.268
600	0.047	0.100	0.733	0.679	3.829	0.333	0.257
660	0.045	0.096	0.694	0.665	3.748	0.315	0.245
720	0.043	0.090	0.651	0.649	3.660	0.295	0.231

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.986	15.104	21.823	2.904	4.580	13.248	15.056
10	13.443	16.993	24.584	5.792	9.135	15.444	17.040
20	16.847	21.388	30.993	11.520	18.168	19.757	21.604
30	20.907	26.604	38.588	17.183	27.101	23.962	26.964
40	25.623	32.642	47.366	22.782	35.931	28.061	33.118
50	30.994	39.502	57.330	28.317	44.661	32.052	40.066
60	37.022	47.183	68.477	33.788	53.289	35.936	47.810
120	86.386	109.637	158.859	57.467	90.635	53.380	109.748
180	98.041	124.487	180.408	67.893	107.078	57.621	124.649
240	109.681	139.304	201.903	77.704	122.551	61.614	139.491
300	121.306	154.089	223.343	86.899	137.054	65.357	154.275
360	132.916	168.842	244.729	95.479	150.586	68.852	169.000
420	144.510	183.562	266.061	103.444	163.147	72.097	183.667
480	156.089	198.249	287.339	110.793	174.738	75.094	198.275
540	167.652	212.905	308.562	117.526	185.358	77.842	212.825
600	179.201	227.528	329.731	123.645	195.008	80.341	227.317
660	190.734	242.118	350.846	129.148	203.687	82.590	241.750
720	202.251	256.676	371.906	134.036	211.396	84.591	256.125

Pollutant Name: Sulfur Dioxide Temperature: 70F 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	0.001	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	0.001	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	0.002
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

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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	0.003	0.001	0.002
720	0.002	0.003	0.004	0.001	0.003	0.001	0.003

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.001	0.001	0.001	0.001	0.005	0.001
20	0.002	0.003	0.002	0.001	0.003	0.004	0.002
30	0.002	0.004	0.004	0.001	0.004	0.003	0.003
40	0.003	0.005	0.005	0.002	0.005	0.003	0.004
50	0.004	0.006	0.006	0.002	0.006	0.002	0.005
60	0.004	0.008	0.007	0.003	0.006	0.002	0.006
120	0.007	0.012	0.011	0.003	0.009	0.005	0.010
180	0.008	0.014	0.012	0.004	0.009	0.007	0.011
240	0.009	0.015	0.013	0.004	0.009	0.008	0.012
300	0.009	0.016	0.014	0.004	0.010	0.010	0.013
360	0.010	0.017	0.015	0.004	0.010	0.011	0.013
420	0.010	0.018	0.016	0.004	0.010	0.012	0.014
480	0.011	0.018	0.017	0.004	0.011	0.013	0.014
540	0.011	0.019	0.017	0.004	0.011	0.014	0.015
600	0.011	0.019	0.017	0.004	0.011	0.014	0.015
660	0.011	0.019	0.017	0.004	0.012	0.015	0.015
720	0.011	0.019	0.017	0.005	0.012	0.015	0.015

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

Table 4: Hot Soak Emissions (grams/trip)

ALL Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.029	0.049	0.030	0.005	0.071	0.183	0.038
10	0.054	0.091	0.056	0.009	0.132	0.342	0.071

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20	0.093	0.156	0.097	0.015	0.225	0.597	0.123
30	0.120	0.201	0.125	0.020	0.289	0.788	0.159
40	0.131	0.219	0.136	0.022	0.313	0.865	0.173

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

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

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
70	0.033	0.070	0.060	0.003	0.004	0.456	0.078

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

Table 5b: Multi-Day Diurnal Loss Emissions

(grams/hour)

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

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Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
70	0.003	0.005	0.004	0.000	0.001	0.043	0.007

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

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
70	0.016	0.039	0.039	0.002	0.002	0.144	0.036

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

Table 6b: Multi-Day Resting Loss Emissions

(grams/hour)

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

Nevada County EMFAC.rts

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
70	0.001	0.003	0.003	0.000	0.000	0.014	0.003

Title : Mountain Counties Air Basin Subarea winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity:
 ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.421	0.402	0.143	0.019	0.000	0.015	1.000
%TRIP	0.358	0.348	0.235	0.039	0.000	0.020	1.000
%VEH	0.388	0.384	0.135	0.026	0.000	0.066	1.000

Title : Mountain Counties Air Basin Subarea winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : El Dorado (MC)

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

(MC) El Dorado (MC) El Dorado (MC) El Dorado

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

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Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.009	0.250	0.240	0.260	0.954	0.004	0.144
2	0.007	0.131	0.126	0.135	0.494	0.038	0.077
3	0.009	0.094	0.090	0.094	0.342	0.057	0.057
4	0.011	0.076	0.074	0.075	0.267	0.069	0.048
5	0.012	0.066	0.064	0.063	0.223	0.078	0.043
10	0.017	0.048	0.046	0.042	0.137	0.100	0.035
15	0.019	0.043	0.042	0.037	0.112	0.114	0.034
20	0.020	0.043	0.042	0.036	0.104	0.125	0.034
25	0.022	0.043	0.043	0.036	0.101	0.134	0.035
30	0.022	0.045	0.045	0.038	0.106	0.141	0.037
35	0.023	0.047	0.046	0.040	0.111	0.148	0.038
40	0.024	0.049	0.048	0.041	0.115	0.155	0.040
45	0.025	0.051	0.050	0.043	0.120	0.161	0.041
50	0.026	0.052	0.051	0.044	0.124	0.167	0.042
55	0.026	0.054	0.052	0.046	0.127	0.173	0.044
60	0.027	0.055	0.054	0.047	0.131	0.179	0.045

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year : 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.062	0.135	0.157	0.427	0.131	4.676	0.183
35	0.010	0.022	0.027	0.096	0.019	1.802	0.045

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	1.012	1.888	2.114	4.961	3.082	22.038	1.961
35	0.598	1.071	1.073	1.030	0.549	14.270	1.090

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Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.103	0.239	0.436	3.081	0.983	1.384	0.295
35	0.058	0.130	0.262	1.800	0.901	1.261	0.174

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	923.035	1170.621	1720.424	2030.911	2395.012	266.300	1160.292
35	300.302	382.073	519.393	1054.497	1057.650	139.927	382.541

Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.019	0.023	0.003	0.011
35	0.003	0.004	0.005	0.010	0.010	0.002	0.004

Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.050	0.080	0.098	0.239	0.089	0.023	0.074
35	0.008	0.013	0.017	0.077	0.016	0.011	0.013

Pollutant Name: PM2.5 - Tire wear Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.003	0.003	0.001	0.002
35	0.002	0.002	0.002	0.003	0.003	0.001	0.002

Pollutant Name: PM2.5 - Brake wear Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5							
35							

Nevada County EMFAC.rts

5	0.005	0.005	0.005	0.006	0.005	0.003	0.005
35	0.005	0.005	0.005	0.006	0.005	0.003	0.005

Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.580	7.519	4.969	3.516	3.519	28.047	8.214
35	29.412	23.076	17.008	17.767	17.782	52.662	25.014

Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.461	6.487	4.663	0.000	14.542
35	29.156	29.156	19.461	6.636	4.663	0.000	14.608

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.007	0.017	0.037	0.104	0.261	0.649	0.033
10	0.013	0.034	0.073	0.203	0.510	0.801	0.056
20	0.025	0.065	0.144	0.386	0.966	1.093	0.101
30	0.036	0.093	0.211	0.547	1.369	1.369	0.142
40	0.046	0.119	0.275	0.686	1.720	1.628	0.180
50	0.056	0.142	0.336	0.805	2.017	1.871	0.215
60	0.064	0.162	0.394	0.902	2.261	2.049	0.246
120	0.096	0.228	0.667	1.015	2.542	2.316	0.352

Nevada County EMFAC.rts

180	0.094	0.224	0.661	1.077	2.697	2.344	0.352
240	0.099	0.238	0.704	1.137	2.847	2.492	0.374
300	0.105	0.251	0.746	1.195	2.993	2.637	0.395
360	0.110	0.264	0.787	1.251	3.133	2.778	0.416
420	0.116	0.276	0.829	1.305	3.269	2.917	0.437
480	0.121	0.289	0.871	1.357	3.399	3.053	0.457
540	0.127	0.301	0.912	1.407	3.525	3.185	0.477
600	0.132	0.313	0.953	1.455	3.646	3.315	0.497
660	0.137	0.325	0.994	1.502	3.762	3.442	0.517
720	0.142	0.337	1.034	1.546	3.872	3.565	0.536

ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.104	0.248	0.520	1.444	1.221	2.966	0.360
10	0.206	0.488	1.028	2.829	2.392	3.577	0.669
20	0.401	0.945	2.010	5.424	4.586	4.746	1.261
30	0.586	1.372	2.945	7.783	6.582	5.847	1.816
40	0.759	1.770	3.833	9.909	8.379	6.879	2.334
50	0.922	2.137	4.675	11.799	9.977	7.842	2.815
60	1.074	2.475	5.471	13.455	11.378	8.736	3.260
120	1.675	3.650	8.743	15.713	13.287	12.365	4.806
180	1.579	3.447	8.378	16.172	13.675	11.979	4.623
240	1.705	3.682	9.123	16.647	14.077	12.992	4.960
300	1.818	3.894	9.778	17.136	14.491	13.928	5.262
360	1.916	4.082	10.343	17.641	14.917	14.787	5.530
420	2.000	4.248	10.818	18.161	15.357	15.569	5.764
480	2.070	4.391	11.204	18.696	15.810	16.274	5.964
540	2.125	4.511	11.499	19.246	16.275	16.902	6.129
600	2.166	4.609	11.705	19.811	16.753	17.453	6.260
660	2.193	4.683	11.821	20.392	17.244	17.927	6.356
720	2.206	4.734	11.846	20.988	17.747	18.324	6.418

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.052	0.120	0.813	0.427	1.102	0.153	0.264
10	0.056	0.132	0.844	0.643	1.661	0.192	0.286
20	0.063	0.154	0.902	1.023	2.642	0.262	0.327
30	0.069	0.172	0.952	1.333	3.442	0.319	0.361
40	0.073	0.187	0.996	1.572	4.059	0.364	0.389
50	0.077	0.198	1.033	1.741	4.495	0.397	0.410
60	0.080	0.205	1.064	1.839	4.750	0.418	0.425
120	0.086	0.219	1.167	1.853	4.784	0.421	0.456
180	0.086	0.220	1.168	1.846	4.767	0.417	0.456
240	0.086	0.218	1.159	1.836	4.740	0.411	0.453
300	0.085	0.216	1.144	1.822	4.704	0.403	0.447
360	0.083	0.212	1.123	1.804	4.658	0.393	0.440
420	0.082	0.208	1.095	1.783	4.604	0.381	0.431
480	0.079	0.203	1.062	1.758	4.540	0.368	0.419
540	0.077	0.197	1.023	1.730	4.466	0.353	0.406
600	0.074	0.190	0.977	1.698	4.384	0.336	0.391
660	0.070	0.182	0.926	1.662	4.292	0.318	0.373

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720 0.067 0.173 0.868 1.623 4.191 0.298 0.354

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.962	14.768	21.809	2.855	6.332	13.193	14.952
10	13.425	16.740	24.546	5.694	12.629	15.387	16.977
20	16.841	21.278	30.908	11.325	25.118	19.696	21.617
30	20.911	26.609	38.457	16.893	37.467	23.897	27.043
40	25.634	32.731	47.191	22.397	49.676	27.993	33.256
50	31.011	39.647	57.111	27.839	61.745	31.981	40.254
60	37.042	47.354	68.216	33.217	73.673	35.862	48.039
120	86.349	108.997	158.436	56.496	125.305	53.292	109.889
180	98.010	123.891	179.905	66.746	148.039	57.544	124.874
240	109.653	138.722	201.325	76.391	169.431	61.546	139.788
300	121.279	153.493	222.696	85.431	189.481	65.299	154.630
360	132.887	168.201	244.018	93.866	208.189	68.802	169.401
420	144.477	182.847	265.291	101.696	225.555	72.055	184.102
480	156.050	197.432	286.515	108.921	241.580	75.059	198.731
540	167.605	211.955	307.690	115.541	256.262	77.814	213.289
600	179.142	226.417	328.816	121.556	269.603	80.319	227.777
660	190.662	240.816	349.894	126.966	281.603	82.574	242.193
720	202.164	255.154	370.922	131.771	292.260	84.580	256.538

Pollutant Name: Sulfur Dioxide Temperature: 70F 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	0.001	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	0.001	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	0.002	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	0.002
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	0.003	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	0.002	0.003	0.001	0.002
660	0.002	0.002	0.004	0.002	0.003	0.001	0.002
720	0.002	0.003	0.004	0.002	0.003	0.001	0.003

Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
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5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.002	0.001	0.001	0.002	0.005	0.001
20	0.002	0.003	0.003	0.001	0.004	0.004	0.003
30	0.003	0.005	0.004	0.002	0.005	0.003	0.004
40	0.004	0.006	0.005	0.003	0.007	0.003	0.005
50	0.004	0.007	0.006	0.003	0.008	0.002	0.006
60	0.005	0.009	0.008	0.003	0.009	0.002	0.007
120	0.008	0.014	0.012	0.005	0.012	0.005	0.011
180	0.009	0.015	0.014	0.005	0.013	0.007	0.013
240	0.010	0.017	0.015	0.005	0.013	0.008	0.014
300	0.011	0.018	0.016	0.005	0.014	0.010	0.015
360	0.012	0.019	0.017	0.005	0.014	0.011	0.016
420	0.012	0.020	0.018	0.006	0.014	0.012	0.017
480	0.013	0.021	0.019	0.006	0.015	0.013	0.017
540	0.013	0.021	0.019	0.006	0.015	0.014	0.018
600	0.013	0.022	0.020	0.006	0.016	0.014	0.018
660	0.013	0.022	0.020	0.006	0.016	0.015	0.018
720	0.013	0.022	0.020	0.006	0.017	0.015	0.018

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.033	0.073	0.032	0.011	0.061	0.173	0.051
10	0.061	0.134	0.059	0.020	0.112	0.323	0.094
20	0.104	0.230	0.101	0.034	0.192	0.565	0.162
30	0.135	0.296	0.130	0.044	0.247	0.747	0.209
40	0.146	0.321	0.142	0.048	0.268	0.821	0.227

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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 Version : Emfac2007 V2.3 Nov 1 2006
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 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 5a: Partial Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases		Temperature: ALL					Relative Humidity:	
Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
70	0.038	0.111	0.062	0.005	0.002	0.446	0.098	

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 5b: Multi-Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases		Temperature: ALL					Relative Humidity:	
Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
70	0.003	0.009	0.004	0.000	0.001	0.042	0.008	

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Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

Mariposa (MC) Mariposa (MC) Mariposa
 (MC)

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
70	0.018	0.054	0.038	0.003	0.002	0.141	0.044

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

Mariposa (MC) Mariposa (MC) Mariposa
 (MC)

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
70	0.001	0.004	0.003	0.000	0.000	0.014	0.004

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title

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Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year : 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity:
 ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.350	0.487	0.126	0.022	0.001	0.014	1.000
%TRIP	0.300	0.424	0.218	0.040	0.000	0.017	1.000
%VEH	0.321	0.469	0.117	0.035	0.000	0.058	1.000

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year : 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Mariposa (MC)

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

(MC) Mariposa (MC) Mariposa (MC) Mariposa

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.007	0.497	0.354	0.488	0.662	0.003	0.300
2	0.007	0.257	0.184	0.252	0.341	0.038	0.157
3	0.009	0.180	0.130	0.176	0.237	0.057	0.112
4	0.011	0.144	0.104	0.139	0.186	0.068	0.091
5	0.013	0.122	0.090	0.117	0.156	0.077	0.079
10	0.018	0.082	0.063	0.074	0.100	0.100	0.057
15	0.021	0.072	0.057	0.063	0.086	0.113	0.052
20	0.023	0.070	0.057	0.059	0.084	0.124	0.052

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25	0.024	0.071	0.060	0.059	0.087	0.133	0.054
30	0.025	0.074	0.063	0.062	0.091	0.141	0.056
35	0.026	0.078	0.066	0.065	0.095	0.148	0.059
40	0.027	0.081	0.068	0.067	0.100	0.154	0.061
45	0.028	0.084	0.071	0.070	0.104	0.161	0.063
50	0.029	0.087	0.073	0.072	0.107	0.167	0.066
55	0.030	0.089	0.075	0.074	0.111	0.172	0.068
60	0.030	0.092	0.077	0.076	0.114	0.178	0.069

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Nevada (MC)

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

Nevada (MC) Nevada (MC) Nevada (MC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.054	0.090	0.134	1.890	0.267	4.674	0.307
35	0.008	0.014	0.023	0.200	0.054	1.802	0.054

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.903	1.446	1.948	5.162	3.451	22.023	1.951
35	0.533	0.838	1.017	1.096	0.596	14.260	0.968

Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.089	0.167	0.379	6.187	3.634	1.383	0.730
35	0.050	0.092	0.224	2.268	1.960	1.260	0.308

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0% Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	923.326	1173.473	1711.384	3389.613	2395.565	266.308	1353.596
35	300.393	382.526	520.282	1652.897	1231.346	139.933	486.640

0% Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.016	0.032	0.023	0.003	0.013
35	0.003	0.004	0.005	0.016	0.012	0.002	0.005

0% Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.046	0.080	0.103	0.117	0.127	0.023	0.075
35	0.007	0.013	0.017	0.064	0.027	0.011	0.017

0% Pollutant Name: PM2.5 - Tire Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.008	0.003	0.001	0.003
35	0.002	0.002	0.002	0.008	0.003	0.001	0.003

0% Pollutant Name: PM2.5 - Brake Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.011	0.005	0.003	0.006
35	0.005	0.005	0.005	0.011	0.005	0.003	0.006

0% Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5							
35							

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5	9.579	7.517	5.037	3.503	3.519	28.049	8.146
35	29.414	23.077	16.979	17.704	17.782	52.665	24.789

Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.480	3.250	4.511	0.000	5.450
35	29.156	29.156	19.480	5.697	4.511	0.000	7.585

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Nevada (MC)

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

Nevada (MC) Nevada (MC) Nevada (MC)

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.012	0.028	0.046	0.227	0.649	0.026
10	0.011	0.023	0.056	0.089	0.442	0.801	0.044
20	0.021	0.045	0.111	0.169	0.837	1.092	0.076
30	0.030	0.065	0.163	0.239	1.187	1.368	0.107
40	0.039	0.083	0.212	0.300	1.491	1.627	0.136
50	0.047	0.099	0.260	0.352	1.748	1.870	0.162
60	0.054	0.114	0.305	0.395	1.960	2.048	0.185
120	0.081	0.169	0.522	0.444	2.204	2.315	0.269
180	0.079	0.165	0.517	0.471	2.338	2.343	0.268
240	0.084	0.175	0.550	0.497	2.468	2.490	0.284
300	0.089	0.185	0.582	0.522	2.594	2.635	0.301
360	0.094	0.195	0.615	0.547	2.716	2.777	0.317
420	0.098	0.205	0.648	0.570	2.834	2.916	0.333
480	0.103	0.214	0.680	0.593	2.947	3.051	0.349
540	0.107	0.224	0.713	0.615	3.056	3.184	0.364
600	0.112	0.233	0.745	0.636	3.161	3.313	0.380
660	0.116	0.242	0.777	0.656	3.261	3.440	0.395
720	0.121	0.251	0.809	0.676	3.357	3.563	0.410

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ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.080	0.167	0.426	0.877	1.064	2.963	0.283
10	0.159	0.330	0.843	1.718	2.084	3.573	0.520
20	0.309	0.641	1.648	3.293	3.995	4.742	0.971
30	0.451	0.933	2.416	4.726	5.733	5.842	1.396
40	0.585	1.207	3.147	6.017	7.298	6.873	1.793
50	0.710	1.461	3.840	7.165	8.691	7.835	2.162
60	0.827	1.696	4.496	8.170	9.910	8.728	2.504
120	1.290	2.565	7.229	9.541	11.573	12.354	3.716
180	1.214	2.420	6.914	9.820	11.912	11.968	3.576
240	1.311	2.599	7.535	10.109	12.261	12.980	3.843
300	1.398	2.759	8.081	10.406	12.622	13.915	4.082
360	1.473	2.899	8.552	10.712	12.994	14.773	4.294
420	1.538	3.022	8.947	11.028	13.377	15.554	4.478
480	1.591	3.125	9.266	11.353	13.771	16.259	4.634
540	1.634	3.210	9.510	11.687	14.176	16.886	4.763
600	1.665	3.275	9.679	12.030	14.592	17.437	4.864
660	1.686	3.323	9.772	12.383	15.020	17.910	4.937
720	1.696	3.351	9.790	12.744	15.458	18.307	4.983

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.040	0.093	0.638	0.187	0.956	0.153	0.197
10	0.043	0.100	0.660	0.282	1.440	0.192	0.211
20	0.048	0.114	0.701	0.449	2.290	0.262	0.238
30	0.053	0.126	0.738	0.584	2.983	0.319	0.261
40	0.056	0.136	0.770	0.689	3.519	0.364	0.279
50	0.059	0.143	0.797	0.763	3.897	0.397	0.293
60	0.061	0.148	0.820	0.806	4.118	0.418	0.304
120	0.066	0.159	0.902	0.812	4.148	0.420	0.327
180	0.066	0.160	0.903	0.809	4.132	0.417	0.328
240	0.066	0.158	0.896	0.805	4.109	0.410	0.325
300	0.065	0.157	0.884	0.799	4.078	0.402	0.321
360	0.064	0.154	0.867	0.791	4.038	0.392	0.316
420	0.063	0.151	0.846	0.782	3.991	0.381	0.309
480	0.061	0.147	0.820	0.771	3.935	0.368	0.300
540	0.059	0.142	0.789	0.758	3.872	0.353	0.290
600	0.057	0.137	0.754	0.744	3.800	0.336	0.279
660	0.054	0.131	0.713	0.729	3.721	0.318	0.266
720	0.051	0.124	0.668	0.712	3.633	0.298	0.252

ALL Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.977	14.994	21.850	2.564	5.512	13.179	14.803
10	13.434	16.909	24.571	5.114	10.994	15.373	16.791

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20	16.839	21.348	30.904	10.171	21.866	19.681	21.351
30	20.899	26.599	38.427	15.172	32.617	23.882	26.691
40	25.615	32.662	47.140	20.115	43.245	27.976	32.812
50	30.986	39.537	57.042	25.002	53.751	31.964	39.712
60	37.011	47.225	68.135	29.832	64.135	35.845	47.392
120	86.345	109.408	158.427	50.740	109.083	53.271	108.549
180	97.997	124.267	179.872	59.945	128.873	57.525	123.333
240	109.633	139.086	201.273	68.607	147.495	61.529	138.050
300	121.253	153.862	222.630	76.726	164.949	65.284	152.702
360	132.858	168.597	243.944	84.301	181.235	68.789	167.288
420	144.447	183.290	265.214	91.333	196.353	72.044	181.807
480	156.020	197.942	286.439	97.822	210.303	75.050	196.260
540	167.577	212.552	307.621	103.768	223.085	77.806	210.647
600	179.119	227.120	328.760	109.170	234.699	80.312	224.968
660	190.644	241.647	349.854	114.028	245.145	82.568	239.223
720	202.154	256.132	370.904	118.344	254.422	84.575	253.411

ALL Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

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	0.001	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	0.001	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	0.003	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	0.001	0.003	0.001	0.003

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.002	0.001	0.001	0.002	0.005	0.001
20	0.002	0.003	0.003	0.001	0.003	0.004	0.003
30	0.002	0.005	0.004	0.002	0.005	0.003	0.004
40	0.003	0.006	0.006	0.002	0.006	0.003	0.005
50	0.004	0.007	0.007	0.002	0.007	0.002	0.006
60	0.004	0.009	0.008	0.003	0.008	0.002	0.007
120	0.007	0.014	0.013	0.004	0.011	0.005	0.011
180	0.008	0.016	0.015	0.004	0.011	0.006	0.012
240	0.009	0.017	0.016	0.004	0.011	0.008	0.014
300	0.010	0.018	0.017	0.004	0.012	0.010	0.015

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360	0.010	0.019	0.018	0.004	0.012	0.011	0.015
420	0.011	0.020	0.019	0.004	0.012	0.012	0.016
480	0.011	0.021	0.020	0.004	0.013	0.013	0.017
540	0.011	0.022	0.020	0.005	0.013	0.014	0.017
600	0.012	0.022	0.021	0.005	0.014	0.014	0.018
660	0.012	0.022	0.021	0.005	0.014	0.015	0.018
720	0.012	0.022	0.021	0.005	0.014	0.015	0.018

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Nevada (MC)

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

Nevada (MC) Nevada (MC) Nevada (MC)

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.027	0.049	0.027	0.003	0.052	0.173	0.037
10	0.051	0.090	0.049	0.006	0.097	0.322	0.069
20	0.087	0.154	0.085	0.010	0.165	0.565	0.119
30	0.113	0.200	0.111	0.013	0.213	0.747	0.155
40	0.122	0.217	0.121	0.014	0.230	0.820	0.168

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

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Nevada (MC)

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

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
70	0.033	0.075	0.056	0.002	0.002	0.446	0.078

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Nevada (MC)

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

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
70	0.003	0.006	0.004	0.000	0.001	0.042	0.007

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Nevada (MC)

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

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Table 6a: Partial Day Resting Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases								Temperature: ALL	Relative Humidity:
Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL		
70	0.015	0.039	0.036	0.001	0.001	0.141	0.035		

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Nevada (MC)

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

Nevada (MC) Nevada (MC) Nevada (MC)

Table 6b: Multi-Day Resting Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases								Temperature: ALL	Relative Humidity:
Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL		
70	0.001	0.003	0.002	0.000	0.000	0.014	0.003		

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Nevada (MC)

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

Nevada (MC) Nevada (MC) Nevada (MC)

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Table 7: Estimated Travel Fractions

Pollutant Name:	Temperature: ALL						Relative Humidity:
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.303	0.468	0.126	0.090	0.001	0.013	1.000
%TRIP	0.295	0.425	0.208	0.056	0.000	0.017	1.000
%VEH	0.316	0.466	0.119	0.041	0.000	0.058	1.000

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Nevada (MC)

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

Nevada (MC) Nevada (MC) Nevada (MC)

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name:	Temperature: 70F						Relative Humidity:
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
Time min							
1	0.008	0.254	0.203	0.035	0.647	0.003	0.150
2	0.007	0.132	0.106	0.018	0.333	0.038	0.080
3	0.008	0.094	0.076	0.013	0.231	0.057	0.058
4	0.010	0.076	0.063	0.011	0.181	0.068	0.049
5	0.011	0.066	0.055	0.009	0.151	0.077	0.043
10	0.016	0.047	0.040	0.006	0.095	0.100	0.034
15	0.018	0.043	0.037	0.006	0.081	0.113	0.032
20	0.019	0.042	0.037	0.006	0.078	0.124	0.032
25	0.021	0.043	0.038	0.006	0.079	0.133	0.033
30	0.022	0.045	0.040	0.006	0.083	0.141	0.035
35	0.022	0.047	0.041	0.007	0.088	0.148	0.036
40	0.023	0.048	0.043	0.007	0.091	0.154	0.038
45	0.024	0.050	0.044	0.007	0.095	0.161	0.039
50	0.025	0.052	0.046	0.007	0.099	0.167	0.040
55	0.025	0.053	0.047	0.008	0.102	0.172	0.042
60	0.026	0.055	0.048	0.008	0.105	0.178	0.043

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Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Placer (MC)

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

Placer (MC) Placer (MC) Placer (MC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.050	0.084	0.135	2.464	0.000	4.679	0.974
35	0.007	0.013	0.024	0.250	0.000	1.804	0.122

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.938	1.499	2.044	5.929	0.000	22.070	3.269
35	0.554	0.867	1.033	1.263	0.000	14.290	1.154

Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.083	0.162	0.413	7.979	0.000	1.386	2.890
35	0.047	0.090	0.247	2.828	0.000	1.263	1.060

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:
 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	923.711	1171.510	1732.414	3758.290	0.000	266.267	2051.049
35	300.518	382.483	519.215	1784.839	0.000	139.904	858.507

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0% Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.036	0.000	0.003	0.020
35	0.003	0.004	0.005	0.017	0.000	0.002	0.008

0% Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.053	0.092	0.114	0.110	0.000	0.023	0.091
35	0.009	0.015	0.019	0.071	0.000	0.011	0.033

0% Pollutant Name: PM2.5 - Tire Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.009	0.000	0.001	0.004
35	0.002	0.002	0.002	0.009	0.000	0.001	0.004

0% Pollutant Name: PM2.5 - Brake Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.012	0.000	0.003	0.008
35	0.005	0.005	0.005	0.012	0.000	0.003	0.008

0% Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.575	7.516	4.958	3.441	0.000	28.045	8.297
35	29.399	23.071	17.017	17.394	0.000	52.658	25.039

0% Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.488	2.713	4.511	0.000	3.278

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50	0.775	1.372	4.058	9.984	0.000	7.847	2.877
60	0.902	1.595	4.750	11.385	0.000	8.740	3.319
120	1.409	2.442	7.624	13.296	0.000	12.373	4.706
180	1.324	2.304	7.299	13.685	0.000	11.991	4.590
240	1.430	2.480	7.954	14.086	0.000	13.008	4.898
300	1.524	2.637	8.529	14.500	0.000	13.947	5.178
360	1.607	2.775	9.025	14.928	0.000	14.808	5.429
420	1.677	2.894	9.441	15.367	0.000	15.592	5.652
480	1.735	2.994	9.778	15.820	0.000	16.299	5.846
540	1.782	3.074	10.036	16.286	0.000	16.929	6.011
600	1.816	3.136	10.214	16.764	0.000	17.481	6.147
660	1.839	3.178	10.313	17.255	0.000	17.956	6.255
720	1.850	3.202	10.332	17.759	0.000	18.353	6.335

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.038	0.078	0.712	0.200	0.000	0.154	0.222
10	0.041	0.085	0.737	0.301	0.000	0.193	0.243
20	0.047	0.096	0.784	0.479	0.000	0.262	0.280
30	0.052	0.106	0.825	0.624	0.000	0.320	0.310
40	0.056	0.114	0.861	0.736	0.000	0.365	0.336
50	0.059	0.121	0.892	0.815	0.000	0.398	0.355
60	0.061	0.125	0.918	0.861	0.000	0.419	0.368
120	0.065	0.134	1.009	0.868	0.000	0.421	0.394
180	0.066	0.135	1.010	0.864	0.000	0.418	0.394
240	0.065	0.134	1.002	0.860	0.000	0.411	0.391
300	0.064	0.132	0.989	0.853	0.000	0.403	0.386
360	0.063	0.130	0.970	0.845	0.000	0.393	0.380
420	0.062	0.127	0.946	0.835	0.000	0.382	0.372
480	0.060	0.124	0.917	0.823	0.000	0.368	0.362
540	0.058	0.120	0.883	0.810	0.000	0.353	0.351
600	0.056	0.115	0.843	0.795	0.000	0.337	0.338
660	0.054	0.110	0.798	0.778	0.000	0.318	0.323
720	0.051	0.105	0.748	0.760	0.000	0.298	0.306

ALL Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.945	14.957	21.985	1.723	0.000	13.243	14.239
10	13.419	16.864	24.738	3.436	0.000	15.439	16.200
20	16.854	21.286	31.142	6.835	0.000	19.752	20.677
30	20.942	26.518	38.742	10.195	0.000	23.957	25.892
40	25.680	32.561	47.537	13.517	0.000	28.055	31.845
50	31.071	39.415	57.528	16.801	0.000	32.046	38.537
60	37.113	47.079	68.715	20.046	0.000	35.930	45.967
120	86.412	109.092	159.639	34.095	0.000	53.373	104.640
180	98.094	123.906	181.265	40.281	0.000	57.615	118.909
240	109.756	138.679	202.843	46.102	0.000	61.609	133.101
300	121.397	153.411	224.373	51.557	0.000	65.353	147.218
360	133.017	168.103	245.855	56.648	0.000	68.849	161.257
420	144.617	182.753	267.289	61.373	0.000	72.095	175.221
480	156.196	197.363	288.674	65.733	0.000	75.092	189.108

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540	167.755	211.932	310.012	69.728	0.000	77.841	202.918
600	179.293	226.460	331.302	73.358	0.000	80.340	216.653
660	190.810	240.947	352.544	76.623	0.000	82.591	230.310
720	202.307	255.394	373.737	79.523	0.000	84.592	243.892

ALL Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

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	0.001	0.000	0.000	0.000	0.000
50	0.000	0.000	0.001	0.000	0.000	0.000	0.000
60	0.000	0.000	0.001	0.000	0.000	0.001	0.000
120	0.001	0.001	0.002	0.001	0.000	0.001	0.001
180	0.001	0.001	0.002	0.001	0.000	0.001	0.001
240	0.001	0.001	0.002	0.001	0.000	0.001	0.001
300	0.001	0.002	0.002	0.001	0.000	0.001	0.002
360	0.001	0.002	0.003	0.001	0.000	0.001	0.002
420	0.001	0.002	0.003	0.001	0.000	0.001	0.002
480	0.002	0.002	0.003	0.001	0.000	0.001	0.002
540	0.002	0.002	0.003	0.001	0.000	0.001	0.002
600	0.002	0.002	0.003	0.001	0.000	0.001	0.002
660	0.002	0.002	0.004	0.001	0.000	0.001	0.002
720	0.002	0.003	0.004	0.001	0.000	0.001	0.002

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.001	0.001	0.000	0.000	0.005	0.001
10	0.001	0.002	0.002	0.000	0.000	0.005	0.001
20	0.002	0.003	0.003	0.001	0.000	0.004	0.003
30	0.003	0.005	0.005	0.001	0.000	0.003	0.004
40	0.004	0.007	0.006	0.002	0.000	0.003	0.005
50	0.005	0.008	0.007	0.002	0.000	0.002	0.006
60	0.005	0.009	0.009	0.002	0.000	0.002	0.007
120	0.009	0.016	0.014	0.003	0.000	0.005	0.012
180	0.010	0.017	0.016	0.003	0.000	0.007	0.013
240	0.011	0.019	0.017	0.003	0.000	0.008	0.014
300	0.012	0.020	0.019	0.003	0.000	0.010	0.015
360	0.012	0.021	0.020	0.003	0.000	0.011	0.016
420	0.013	0.022	0.021	0.004	0.000	0.012	0.017
480	0.013	0.023	0.021	0.004	0.000	0.013	0.018
540	0.014	0.024	0.022	0.004	0.000	0.014	0.018
600	0.014	0.024	0.022	0.004	0.000	0.014	0.019
660	0.014	0.025	0.023	0.004	0.000	0.015	0.019
720	0.014	0.025	0.023	0.004	0.000	0.015	0.019

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Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Placer (MC)

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

Placer (MC) Placer (MC) Placer (MC)

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.032	0.048	0.027	0.002	0.000	0.182	0.038
10	0.059	0.089	0.050	0.004	0.000	0.339	0.070
20	0.101	0.153	0.086	0.006	0.000	0.593	0.120
30	0.131	0.198	0.112	0.008	0.000	0.783	0.156
40	0.142	0.215	0.122	0.009	0.000	0.859	0.169

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

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Placer (MC)

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

Placer (MC) Placer (MC) Placer (MC)

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
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Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Placer (MC)

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

Placer (MC) Placer (MC) Placer (MC)

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
70	0.002	0.003	0.003	0.000	0.000	0.014	0.003

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Placer (MC)

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

Placer (MC) Placer (MC) Placer (MC)

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity:
 ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.226	0.315	0.098	0.346	0.000	0.015	1.000
%TRIP	0.278	0.369	0.222	0.105	0.000	0.026	1.000

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 %VEH 0.294 0.398 0.116 0.107 0.000 0.085 1.000

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Placer (MC)

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

Placer (MC) Placer (MC) Placer (MC)

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.009	0.246	0.224	0.011	0.000	0.004	0.105
2	0.008	0.129	0.117	0.006	0.000	0.038	0.056
3	0.009	0.092	0.084	0.004	0.000	0.057	0.042
4	0.011	0.075	0.069	0.003	0.000	0.069	0.035
5	0.013	0.065	0.060	0.003	0.000	0.077	0.031
10	0.017	0.047	0.044	0.002	0.000	0.100	0.025
15	0.019	0.043	0.040	0.002	0.000	0.114	0.024
20	0.021	0.042	0.040	0.002	0.000	0.125	0.024
25	0.022	0.043	0.041	0.002	0.000	0.134	0.025
30	0.023	0.045	0.043	0.002	0.000	0.141	0.026
35	0.024	0.047	0.044	0.002	0.000	0.148	0.027
40	0.025	0.048	0.046	0.002	0.000	0.155	0.028
45	0.025	0.050	0.047	0.002	0.000	0.161	0.029
50	0.026	0.052	0.049	0.002	0.000	0.167	0.030
55	0.027	0.053	0.050	0.002	0.000	0.173	0.031
60	0.028	0.055	0.052	0.002	0.000	0.179	0.032

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Plumas (MC)

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

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Emfac2007 Emission Factors: V2.3 Nov 1 2006

Plumas (MC)

Plumas (MC)

Plumas (MC)

Table 1: Running Exhaust Emissions (grams/mile)

0% Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.071	0.100	0.160	0.823	1.384	4.675	0.183
35	0.011	0.016	0.027	0.114	0.256	1.802	0.041

0% Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	1.069	1.509	2.132	4.380	12.608	22.035	1.846
35	0.628	0.872	1.104	0.920	2.369	14.268	1.001

0% Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.113	0.181	0.429	3.179	11.398	1.384	0.342
35	0.063	0.100	0.255	1.427	4.684	1.261	0.183

0% Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	923.428	1171.330	1725.239	2376.279	2396.927	266.305	1224.648
35	300.469	381.810	519.631	1314.146	1399.512	139.930	415.020

0% Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.023	0.023	0.003	0.012
35	0.003	0.004	0.005	0.013	0.013	0.002	0.004

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Pollutant Name: PM2.5 Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.046	0.075	0.100	0.167	0.352	0.023	0.074
35	0.008	0.012	0.017	0.062	0.083	0.011	0.014

Pollutant Name: PM2.5 - Tire wear Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.005	0.002	0.001	0.002
35	0.002	0.002	0.002	0.005	0.002	0.001	0.002

Pollutant Name: PM2.5 - Brake wear Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.007	0.005	0.003	0.005
35	0.005	0.005	0.005	0.007	0.005	0.003	0.005

Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.574	7.530	4.986	3.515	3.475	28.047	7.922
35	29.392	23.117	16.997	17.766	17.569	52.661	24.229

Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.480	5.269	4.416	0.000	10.367
35	29.156	29.156	19.480	6.283	4.416	0.000	11.032

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected

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Season : Winter
 Area : Plumas (MC)

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

Plumas (MC) Plumas (MC) Plumas (MC)

Table 2: Starting Emissions (grams/trip)

ALL Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.007	0.012	0.036	0.067	0.197	0.649	0.028
10	0.014	0.024	0.071	0.130	0.383	0.801	0.049
20	0.027	0.046	0.138	0.246	0.726	1.093	0.089
30	0.039	0.066	0.204	0.349	1.029	1.369	0.127
40	0.050	0.085	0.266	0.439	1.293	1.628	0.161
50	0.060	0.102	0.326	0.514	1.516	1.871	0.193
60	0.069	0.117	0.383	0.577	1.700	2.049	0.221
120	0.102	0.171	0.656	0.648	1.911	2.316	0.325
180	0.100	0.168	0.649	0.688	2.028	2.344	0.324
240	0.106	0.178	0.691	0.726	2.141	2.492	0.344
300	0.112	0.188	0.732	0.763	2.250	2.636	0.364
360	0.118	0.198	0.773	0.799	2.356	2.778	0.383
420	0.123	0.208	0.814	0.834	2.457	2.917	0.402
480	0.129	0.218	0.855	0.867	2.556	3.053	0.422
540	0.135	0.227	0.896	0.899	2.650	3.185	0.440
600	0.140	0.236	0.936	0.930	2.741	3.315	0.459
660	0.146	0.246	0.977	0.959	2.828	3.441	0.477
720	0.151	0.255	1.017	0.988	2.911	3.565	0.495

ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.108	0.185	0.505	0.890	1.263	2.965	0.321
10	0.212	0.366	1.000	1.743	2.476	3.576	0.603
20	0.413	0.710	1.956	3.342	4.746	4.746	1.142
30	0.602	1.034	2.868	4.795	6.811	5.847	1.649
40	0.780	1.337	3.735	6.105	8.670	6.879	2.124
50	0.946	1.618	4.559	7.270	10.324	7.842	2.566
60	1.100	1.879	5.339	8.290	11.773	8.736	2.977
120	1.700	2.842	8.607	9.681	13.749	12.365	4.446
180	1.600	2.686	8.226	9.964	14.151	11.979	4.275
240	1.725	2.885	8.969	10.256	14.566	12.991	4.598
300	1.836	3.063	9.621	10.558	14.994	13.927	4.887
360	1.933	3.219	10.182	10.869	15.436	14.786	5.142
420	2.016	3.355	10.654	11.189	15.891	15.567	5.363
480	2.086	3.470	11.034	11.519	16.359	16.272	5.549
540	2.142	3.564	11.325	11.858	16.840	16.900	5.702
600	2.185	3.637	11.525	12.206	17.335	17.451	5.820
660	2.213	3.689	11.634	12.564	17.843	17.925	5.904

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720 2.228 3.720 11.654 12.931 18.364 18.322 5.954

Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.054	0.099	0.808	0.247	0.796	0.153	0.261
10	0.059	0.107	0.835	0.372	1.199	0.192	0.280
20	0.066	0.122	0.885	0.592	1.907	0.262	0.315
30	0.073	0.134	0.930	0.771	2.484	0.319	0.344
40	0.078	0.145	0.969	0.910	2.930	0.364	0.368
50	0.083	0.152	1.003	1.007	3.245	0.397	0.387
60	0.086	0.158	1.031	1.064	3.428	0.418	0.400
120	0.092	0.169	1.135	1.072	3.453	0.421	0.431
180	0.092	0.170	1.136	1.068	3.441	0.417	0.432
240	0.092	0.169	1.127	1.062	3.421	0.411	0.429
300	0.091	0.167	1.112	1.054	3.395	0.403	0.423
360	0.089	0.164	1.091	1.044	3.362	0.393	0.416
420	0.087	0.161	1.064	1.031	3.323	0.381	0.407
480	0.085	0.157	1.031	1.017	3.277	0.368	0.396
540	0.082	0.152	0.992	1.001	3.224	0.353	0.383
600	0.079	0.146	0.947	0.982	3.164	0.336	0.368
660	0.076	0.139	0.896	0.962	3.098	0.318	0.351
720	0.072	0.132	0.839	0.939	3.025	0.298	0.332

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.937	14.989	21.992	2.850	4.723	13.189	15.134
10	13.409	16.892	24.728	5.684	9.419	15.383	17.190
20	16.842	21.307	31.098	11.306	18.733	19.691	21.900
30	20.926	26.535	38.666	16.864	27.943	23.893	27.410
40	25.661	32.576	47.431	22.359	37.049	27.988	33.717
50	31.047	39.430	57.394	27.791	46.050	31.977	40.823
60	37.085	47.097	68.555	33.160	54.946	35.858	48.727
120	86.348	109.205	159.424	56.400	93.454	53.288	111.521
180	98.022	124.025	181.001	66.632	110.409	57.540	126.749
240	109.675	138.807	202.535	76.261	126.363	61.543	141.903
300	121.307	153.549	224.026	85.285	141.316	65.297	156.985
360	132.919	168.253	245.472	93.706	155.269	68.801	171.994
420	144.510	182.918	266.876	101.522	168.221	72.055	186.929
480	156.081	197.544	288.235	108.735	180.172	75.060	201.792
540	167.631	212.131	309.552	115.344	191.122	77.815	216.581
600	179.161	226.679	330.824	121.349	201.072	80.320	231.298
660	190.670	241.189	352.053	126.749	210.021	82.576	245.941
720	202.159	255.659	373.239	131.546	217.970	84.582	260.512

Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
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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	0.001	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	0.001
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	0.001	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	0.003

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.001	0.001	0.001	0.001	0.005	0.001
20	0.002	0.003	0.003	0.001	0.003	0.004	0.003
30	0.002	0.004	0.004	0.002	0.004	0.003	0.004
40	0.003	0.006	0.005	0.002	0.005	0.003	0.005
50	0.004	0.007	0.007	0.003	0.006	0.002	0.006
60	0.004	0.008	0.008	0.003	0.007	0.002	0.007
120	0.007	0.013	0.013	0.004	0.009	0.005	0.011
180	0.008	0.015	0.014	0.004	0.009	0.006	0.012
240	0.009	0.016	0.015	0.004	0.010	0.008	0.013
300	0.010	0.017	0.017	0.004	0.010	0.010	0.014
360	0.010	0.018	0.018	0.005	0.010	0.011	0.015
420	0.011	0.019	0.018	0.005	0.011	0.012	0.016
480	0.011	0.020	0.019	0.005	0.011	0.013	0.017
540	0.011	0.020	0.020	0.005	0.011	0.014	0.017
600	0.011	0.020	0.020	0.005	0.012	0.014	0.017
660	0.011	0.021	0.020	0.005	0.012	0.015	0.017
720	0.012	0.021	0.020	0.005	0.012	0.015	0.017

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
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 Season : winter
 Area : Plumas (MC)

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

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Plumas (MC)

Plumas (MC)

Plumas (MC)

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.037	0.054	0.032	0.005	0.086	0.173	0.044
10	0.069	0.101	0.059	0.008	0.159	0.323	0.081
20	0.117	0.173	0.102	0.015	0.271	0.565	0.140
30	0.151	0.223	0.133	0.019	0.349	0.747	0.181
40	0.164	0.242	0.144	0.021	0.378	0.821	0.196

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

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : winter
Area : Plumas (MC)

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

Plumas (MC)

Plumas (MC)

Plumas (MC)

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
70	0.045	0.078	0.066	0.003	0.004	0.446	0.083

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected

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Season : Winter
 Area : Plumas (MC)

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

Plumas (MC) Plumas (MC) Plumas (MC)

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
70	0.004	0.006	0.005	0.000	0.001	0.042	0.007

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Plumas (MC)

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

Plumas (MC) Plumas (MC) Plumas (MC)

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
70	0.021	0.040	0.040	0.002	0.002	0.141	0.039

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter

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Area : Plumas (MC)

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

Plumas (MC) Plumas (MC) Plumas (MC)

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
70	0.002	0.003	0.003	0.000	0.000	0.014	0.003

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : winter
 Area : Plumas (MC)

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

Plumas (MC) Plumas (MC) Plumas (MC)

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity:
 ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.252	0.556	0.142	0.038	0.001	0.011	1.000
%TRIP	0.228	0.468	0.229	0.061	0.000	0.014	1.000
%VEH	0.255	0.532	0.130	0.035	0.000	0.047	1.000

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected

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Season : Winter
 Area : Plumas (MC)

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

Plumas (MC) Plumas (MC) Plumas (MC)

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.007	0.359	0.359	0.181	1.342	0.003	0.261
2	0.007	0.187	0.187	0.094	0.695	0.038	0.137
3	0.009	0.132	0.132	0.066	0.480	0.057	0.098
4	0.012	0.106	0.106	0.052	0.374	0.068	0.080
5	0.014	0.091	0.091	0.044	0.311	0.077	0.070
10	0.019	0.063	0.063	0.029	0.187	0.100	0.051
15	0.021	0.057	0.058	0.025	0.149	0.113	0.048
20	0.023	0.056	0.058	0.025	0.132	0.124	0.048
25	0.025	0.058	0.061	0.025	0.125	0.133	0.050
30	0.026	0.061	0.064	0.026	0.131	0.141	0.052
35	0.027	0.063	0.067	0.027	0.136	0.148	0.054
40	0.028	0.066	0.069	0.028	0.141	0.154	0.056
45	0.029	0.068	0.072	0.029	0.146	0.161	0.058
50	0.030	0.071	0.074	0.030	0.151	0.167	0.060
55	0.031	0.073	0.076	0.031	0.155	0.172	0.062
60	0.031	0.075	0.079	0.032	0.160	0.178	0.064

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Sierra (MC)

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

Sierra (MC) Sierra (MC) Sierra (MC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 0%

Speed

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MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.067	0.116	0.174	1.134	0.162	4.675	0.204
35	0.010	0.018	0.030	0.143	0.022	1.802	0.040

0% Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	1.030	1.667	2.184	4.877	3.396	22.035	1.932
35	0.606	0.951	1.108	1.026	0.621	14.268	1.017

0% Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.108	0.208	0.473	3.952	1.097	1.384	0.414
35	0.060	0.114	0.280	1.641	1.105	1.261	0.210

0% Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	923.451	1168.162	1728.921	2607.262	2413.480	266.301	1249.818
35	300.429	381.478	518.405	1423.861	973.509	139.927	430.098

0% Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.025	0.023	0.003	0.012
35	0.003	0.004	0.005	0.014	0.009	0.002	0.004

0% Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.046	0.073	0.095	0.162	0.091	0.023	0.073
35	0.007	0.012	0.016	0.066	0.016	0.011	0.014

Pollutant Name: PM2.5 - Tire Wear Temperature: 70F Relative Humidity:

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ALL Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.007	0.015	0.036	0.078	0.338	0.649	0.029
10	0.013	0.030	0.071	0.152	0.659	0.801	0.053
20	0.025	0.058	0.139	0.288	1.250	1.093	0.097
30	0.036	0.083	0.205	0.408	1.771	1.368	0.138
40	0.046	0.106	0.268	0.513	2.225	1.628	0.176
50	0.056	0.126	0.328	0.602	2.609	1.871	0.210
60	0.064	0.145	0.386	0.674	2.925	2.048	0.241
120	0.095	0.205	0.670	0.758	3.289	2.315	0.351
180	0.093	0.201	0.662	0.805	3.489	2.343	0.351
240	0.098	0.213	0.704	0.849	3.684	2.491	0.372
300	0.104	0.225	0.747	0.893	3.872	2.636	0.394
360	0.109	0.237	0.789	0.935	4.054	2.778	0.414
420	0.115	0.248	0.831	0.975	4.229	2.916	0.435
480	0.120	0.259	0.873	1.014	4.398	3.052	0.456
540	0.126	0.270	0.915	1.052	4.561	3.185	0.476
600	0.131	0.281	0.956	1.088	4.717	3.314	0.496
660	0.136	0.292	0.998	1.122	4.867	3.441	0.515
720	0.141	0.302	1.039	1.155	5.010	3.564	0.535

ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.101	0.221	0.526	0.988	1.315	2.966	0.350
10	0.199	0.436	1.041	1.937	2.576	3.576	0.665
20	0.388	0.846	2.036	3.712	4.938	4.745	1.267
30	0.566	1.229	2.986	5.328	7.087	5.844	1.832
40	0.733	1.586	3.890	6.782	9.022	6.875	2.359
50	0.890	1.916	4.748	8.076	10.743	7.837	2.849
60	1.036	2.220	5.561	9.210	12.250	8.730	3.302
120	1.606	3.292	8.979	10.755	14.306	12.358	4.873
180	1.512	3.106	8.575	11.070	14.725	11.973	4.689
240	1.632	3.321	9.350	11.394	15.157	12.986	5.030
300	1.738	3.515	10.031	11.730	15.602	13.922	5.336
360	1.831	3.687	10.617	12.075	16.062	14.781	5.607
420	1.910	3.838	11.109	12.431	16.535	15.563	5.844
480	1.976	3.967	11.506	12.797	17.022	16.267	6.045
540	2.030	4.075	11.809	13.174	17.523	16.895	6.211
600	2.069	4.162	12.017	13.561	18.038	17.446	6.342
660	2.096	4.228	12.131	13.958	18.567	17.920	6.438
720	2.109	4.272	12.150	14.366	19.109	18.317	6.499

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.050	0.108	0.838	0.273	1.433	0.153	0.278
10	0.054	0.119	0.863	0.411	2.159	0.192	0.299

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20	0.061	0.138	0.909	0.654	3.435	0.262	0.338
30	0.067	0.154	0.950	0.852	4.474	0.319	0.371
40	0.072	0.167	0.987	1.005	5.277	0.364	0.398
50	0.076	0.176	1.020	1.113	5.844	0.397	0.419
60	0.079	0.183	1.048	1.176	6.175	0.418	0.434
120	0.084	0.195	1.156	1.184	6.220	0.421	0.467
180	0.085	0.196	1.158	1.180	6.197	0.417	0.467
240	0.084	0.195	1.149	1.173	6.162	0.411	0.464
300	0.083	0.193	1.133	1.164	6.115	0.402	0.458
360	0.082	0.190	1.111	1.153	6.056	0.393	0.451
420	0.080	0.186	1.084	1.140	5.985	0.381	0.441
480	0.078	0.181	1.049	1.124	5.902	0.368	0.429
540	0.075	0.175	1.009	1.106	5.806	0.353	0.415
600	0.073	0.169	0.963	1.085	5.699	0.336	0.399
660	0.069	0.162	0.910	1.062	5.580	0.318	0.381
720	0.066	0.154	0.851	1.037	5.448	0.298	0.361

ALL Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.958	14.771	21.971	2.940	6.818	13.199	15.012
10	13.423	16.716	24.672	5.863	13.598	15.393	17.103
20	16.843	21.202	30.974	11.661	27.046	19.703	21.877
30	20.917	26.484	38.475	17.394	40.342	23.905	27.440
40	25.643	32.560	47.175	23.062	53.487	28.001	33.792
50	31.023	39.431	57.075	28.665	66.482	31.990	40.935
60	37.056	47.097	68.175	34.202	79.326	35.872	48.866
120	86.360	108.625	158.806	58.172	134.919	53.304	111.498
180	98.026	123.440	180.266	68.726	159.397	57.555	126.784
240	109.672	138.200	201.690	78.657	182.430	61.557	141.986
300	121.301	152.904	223.079	87.965	204.018	65.309	157.104
360	132.911	167.553	244.432	96.650	224.162	68.811	172.136
420	144.503	182.147	265.749	104.712	242.861	72.064	187.085
480	156.077	196.686	287.030	112.152	260.115	75.068	201.948
540	167.632	211.169	308.276	118.968	275.924	77.821	216.728
600	179.169	225.598	329.486	125.162	290.289	80.326	231.422
660	190.688	239.971	350.659	130.732	303.208	82.581	246.032
720	202.189	254.288	371.797	135.680	314.684	84.586	260.558

ALL Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

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	0.001	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	0.001
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	0.002

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360	0.001	0.002	0.003	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	0.003

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.001	0.001	0.001	0.002	0.005	0.001
20	0.002	0.003	0.003	0.001	0.004	0.004	0.002
30	0.002	0.004	0.004	0.002	0.006	0.003	0.004
40	0.003	0.005	0.005	0.002	0.007	0.003	0.005
50	0.004	0.007	0.006	0.003	0.009	0.002	0.006
60	0.004	0.008	0.007	0.003	0.010	0.002	0.007
120	0.007	0.013	0.012	0.004	0.014	0.005	0.011
180	0.008	0.014	0.013	0.005	0.014	0.007	0.012
240	0.009	0.016	0.015	0.005	0.015	0.008	0.013
300	0.010	0.017	0.016	0.005	0.015	0.010	0.014
360	0.010	0.018	0.017	0.005	0.016	0.011	0.015
420	0.011	0.018	0.017	0.005	0.016	0.012	0.016
480	0.011	0.019	0.018	0.005	0.017	0.013	0.016
540	0.011	0.020	0.019	0.005	0.017	0.014	0.017
600	0.012	0.020	0.019	0.006	0.018	0.014	0.017
660	0.012	0.020	0.019	0.006	0.018	0.015	0.017
720	0.012	0.020	0.019	0.006	0.019	0.015	0.017

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Sierra (MC)

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

sierra (MC) sierra (MC) sierra (MC)

Table 4: Hot Soak Emissions (grams/trip)

ALL Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
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5	0.035	0.067	0.032	0.005	0.083	0.173	0.049
10	0.064	0.124	0.060	0.009	0.153	0.323	0.090
20	0.110	0.212	0.102	0.016	0.262	0.565	0.155
30	0.141	0.273	0.132	0.021	0.337	0.747	0.200
40	0.153	0.296	0.144	0.023	0.365	0.821	0.217

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

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Sierra (MC)

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

Sierra (MC) Sierra (MC) Sierra (MC)

Table 5a: Partial Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name: Reactive Org Gases	Temperature: ALL						Relative Humidity:
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
Temp degF							
70	0.041	0.100	0.070	0.002	0.003	0.446	0.092

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Sierra (MC)

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

Sierra (MC) Sierra (MC) Sierra (MC)

Table 5b: Multi-Day Diurnal Loss Emissions

(grams/hour)

Nevada County EMFAC.rts

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

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
70	0.001	0.004	0.003	0.000	0.000	0.014	0.003

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Winter
Area : Sierra (MC)

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

Sierra (MC) Sierra (MC) Sierra (MC)

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity:
ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.234	0.571	0.136	0.049	0.001	0.009	1.000
%TRIP	0.211	0.477	0.232	0.069	0.000	0.011	1.000
%VEH	0.240	0.559	0.126	0.036	0.000	0.038	1.000

Title : Mountain Counties Air Basin Subarea Winter Cyr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Winter
Area : Sierra (MC)

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

Sierra (MC) Sierra (MC) Sierra (MC)

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Nevada County EMFAC.rts

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.007	0.448	0.378	0.106	0.895	0.003	0.315
2	0.007	0.232	0.196	0.055	0.461	0.038	0.164
3	0.009	0.163	0.138	0.039	0.319	0.057	0.117
4	0.012	0.130	0.111	0.031	0.250	0.069	0.094
5	0.013	0.111	0.095	0.026	0.210	0.077	0.081
10	0.018	0.075	0.066	0.018	0.133	0.100	0.058
15	0.021	0.066	0.059	0.016	0.114	0.113	0.053
20	0.023	0.064	0.059	0.016	0.110	0.124	0.052
25	0.024	0.066	0.062	0.017	0.112	0.133	0.054
30	0.026	0.069	0.065	0.018	0.118	0.141	0.056
35	0.027	0.072	0.067	0.018	0.124	0.148	0.059
40	0.027	0.075	0.070	0.019	0.129	0.154	0.061
45	0.028	0.078	0.073	0.020	0.134	0.161	0.063
50	0.029	0.080	0.075	0.021	0.139	0.167	0.066
55	0.030	0.083	0.077	0.021	0.144	0.173	0.068
60	0.031	0.085	0.080	0.022	0.148	0.178	0.070

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Winter
Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.056	0.102	0.152	0.525	2.028	4.674	0.167
35	0.008	0.016	0.026	0.088	0.356	1.802	0.041

Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
--------------	-----	-----	-----	-----	------	-----	-----

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5	0.952	1.539	2.080	3.798	20.448	22.024	1.764
35	0.564	0.889	1.077	0.796	3.879	14.261	0.983

Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.095	0.183	0.414	2.510	9.832	1.383	0.270
35	0.054	0.101	0.248	1.263	5.402	1.260	0.156

Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	922.826	1171.915	1725.388	2189.543	2413.927	266.308	1171.930
35	300.204	381.879	519.585	1166.425	1569.847	139.933	389.536

Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.017	0.021	0.023	0.003	0.011
35	0.003	0.004	0.005	0.011	0.015	0.002	0.004

Pollutant Name: PM2.5 Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.047	0.076	0.100	0.173	0.205	0.023	0.071
35	0.008	0.012	0.017	0.060	0.047	0.011	0.013

Pollutant Name: PM2.5 - Tire wear Temperature: 70F Relative Humidity: 0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.004	0.002	0.001	0.002
35	0.002	0.002	0.002	0.004	0.002	0.001	0.002

Pollutant Name: PM2.5 - Brake wear Temperature: 70F Relative Humidity: 0%

Nevada County EMFAC.rts

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.006	0.005	0.003	0.005
35	0.005	0.005	0.005	0.006	0.005	0.003	0.005

Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.584	7.529	4.983	3.519	3.425	28.049	8.201
35	29.427	23.112	17.002	17.784	17.326	52.665	24.991

Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity:
0%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.461	5.848	4.304	0.000	12.074
35	29.156	29.156	19.461	6.451	4.304	0.000	12.405

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2013/01/08 15:08:53
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Winter
Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.006	0.012	0.035	0.066	0.206	0.649	0.028
10	0.013	0.023	0.069	0.129	0.401	0.801	0.047
20	0.024	0.045	0.135	0.244	0.761	1.092	0.084
30	0.035	0.065	0.199	0.346	1.078	1.368	0.118
40	0.045	0.083	0.260	0.435	1.354	1.627	0.150

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50	0.054	0.100	0.319	0.510	1.588	1.870	0.180
60	0.062	0.115	0.375	0.572	1.781	2.048	0.206
120	0.094	0.169	0.649	0.643	2.002	2.315	0.305
180	0.092	0.166	0.642	0.682	2.124	2.343	0.304
240	0.097	0.176	0.683	0.720	2.243	2.491	0.323
300	0.103	0.186	0.724	0.757	2.357	2.635	0.342
360	0.109	0.196	0.765	0.792	2.468	2.777	0.360
420	0.114	0.206	0.806	0.826	2.574	2.916	0.378
480	0.119	0.215	0.847	0.859	2.677	3.051	0.396
540	0.125	0.225	0.887	0.891	2.776	3.184	0.414
600	0.130	0.234	0.928	0.922	2.871	3.313	0.432
660	0.135	0.243	0.968	0.951	2.963	3.440	0.449
720	0.140	0.252	1.008	0.979	3.050	3.563	0.467

ALL Pollutant Name: Carbon Monoxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.102	0.185	0.501	0.881	2.778	2.963	0.303
10	0.202	0.364	0.991	1.726	5.443	3.574	0.560
20	0.394	0.708	1.939	3.309	10.435	4.742	1.052
30	0.575	1.031	2.844	4.749	14.975	5.842	1.516
40	0.746	1.333	3.706	6.046	19.064	6.873	1.952
50	0.906	1.615	4.524	7.200	22.701	7.835	2.359
60	1.056	1.876	5.300	8.210	25.887	8.729	2.739
120	1.651	2.846	8.565	9.588	30.232	12.355	4.149
180	1.555	2.692	8.190	9.868	31.115	11.969	3.979
240	1.681	2.893	8.935	10.158	32.028	12.981	4.292
300	1.793	3.074	9.588	10.456	32.970	13.916	4.570
360	1.890	3.232	10.151	10.764	33.941	14.774	4.815
420	1.973	3.370	10.622	11.082	34.942	15.555	5.026
480	2.042	3.485	11.002	11.408	35.971	16.260	5.203
540	2.096	3.580	11.291	11.744	37.030	16.887	5.346
600	2.137	3.652	11.490	12.089	38.117	17.438	5.455
660	2.163	3.703	11.597	12.443	39.234	17.912	5.530
720	2.175	3.733	11.613	12.806	40.380	18.309	5.571

ALL Pollutant Name: Oxides of Nitrogen Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.053	0.101	0.815	0.240	1.016	0.153	0.246
10	0.056	0.109	0.841	0.362	1.530	0.192	0.262
20	0.063	0.124	0.889	0.575	2.434	0.262	0.291
30	0.069	0.136	0.932	0.749	3.171	0.319	0.315
40	0.074	0.146	0.970	0.884	3.740	0.364	0.335
50	0.077	0.153	1.003	0.979	4.142	0.397	0.351
60	0.080	0.159	1.032	1.034	4.376	0.418	0.363
120	0.086	0.171	1.136	1.042	4.408	0.420	0.393
180	0.087	0.171	1.138	1.038	4.392	0.417	0.394
240	0.086	0.170	1.129	1.032	4.367	0.410	0.390
300	0.085	0.168	1.114	1.024	4.334	0.402	0.386
360	0.084	0.165	1.093	1.014	4.292	0.392	0.379
420	0.082	0.162	1.065	1.002	4.242	0.381	0.370
480	0.080	0.158	1.032	0.989	4.183	0.368	0.360

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540	0.077	0.152	0.993	0.973	4.115	0.353	0.348
600	0.074	0.147	0.948	0.955	4.039	0.336	0.333
660	0.071	0.140	0.896	0.935	3.955	0.318	0.317
720	0.067	0.133	0.839	0.913	3.861	0.298	0.300

ALL Pollutant Name: Carbon Dioxide Temperature: 70F Relative Humidity:

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.969	15.022	22.030	2.959	3.997	13.180	15.058
10	13.430	16.921	24.748	5.901	7.971	15.374	17.046
20	16.843	21.331	31.085	11.736	15.854	19.682	21.619
30	20.910	26.557	38.623	17.506	23.648	23.883	26.989
40	25.632	32.598	47.363	23.210	31.353	27.978	33.156
50	31.007	39.454	57.306	28.849	38.970	31.965	40.119
60	37.037	47.126	68.449	34.423	46.499	35.846	47.880
120	86.361	109.335	159.369	58.547	79.087	53.273	109.954
180	98.021	124.165	180.915	69.169	93.435	57.527	124.895
240	109.664	138.958	202.423	79.164	106.937	61.531	139.778
300	121.289	153.714	223.893	88.531	119.591	65.286	154.602
360	132.898	168.433	245.325	97.273	131.399	68.790	169.367
420	144.489	183.114	266.718	105.387	142.360	72.046	184.072
480	156.064	197.759	288.074	112.874	152.474	75.051	198.719
540	167.622	212.366	309.391	119.734	161.741	77.807	213.307
600	179.162	226.937	330.671	125.968	170.161	80.313	227.836
660	190.686	241.470	351.912	131.574	177.734	82.569	242.306
720	202.192	255.966	373.115	136.553	184.461	84.576	256.717

ALL Pollutant Name: Sulfur Dioxide Temperature: 70F Relative Humidity:

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	0.001	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	0.001
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	0.002	0.002	0.001	0.003

ALL Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

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Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.001	0.001	0.000	0.001	0.005	0.001
10	0.001	0.001	0.001	0.001	0.001	0.005	0.001
20	0.002	0.003	0.003	0.001	0.002	0.004	0.002
30	0.003	0.004	0.004	0.002	0.003	0.003	0.004
40	0.003	0.006	0.005	0.002	0.004	0.003	0.005
50	0.004	0.007	0.007	0.003	0.005	0.002	0.006
60	0.005	0.008	0.008	0.003	0.006	0.002	0.007
120	0.008	0.013	0.013	0.004	0.008	0.005	0.011
180	0.009	0.015	0.014	0.004	0.008	0.006	0.012
240	0.010	0.016	0.015	0.004	0.008	0.008	0.013
300	0.011	0.017	0.017	0.005	0.008	0.010	0.014
360	0.011	0.018	0.018	0.005	0.008	0.011	0.015
420	0.012	0.019	0.018	0.005	0.009	0.012	0.016
480	0.012	0.020	0.019	0.005	0.009	0.013	0.017
540	0.013	0.020	0.020	0.005	0.009	0.014	0.017
600	0.013	0.020	0.020	0.005	0.010	0.014	0.017
660	0.013	0.021	0.020	0.005	0.010	0.015	0.017
720	0.013	0.021	0.020	0.006	0.010	0.015	0.017

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.033	0.054	0.031	0.005	0.053	0.173	0.043
10	0.062	0.100	0.057	0.010	0.097	0.323	0.079
20	0.106	0.172	0.099	0.017	0.166	0.565	0.136
30	0.137	0.222	0.128	0.021	0.214	0.747	0.176
40	0.148	0.241	0.139	0.023	0.231	0.821	0.191

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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Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 5a: Partial Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name:	Reactive Org Gases			Temperature: ALL			Relative Humidity:	
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
Temp degF								
70	0.038	0.077	0.061	0.003	0.003	0.446	0.081	

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 5b: Multi-Day Diurnal Loss Emissions

(grams/hour)

Pollutant Name:	Reactive Org Gases			Temperature: ALL			Relative Humidity:	
ALL	LDA	LDT	MDT	HDT	UBUS	MCY	ALL	
Temp degF								
70	0.003	0.006	0.004	0.000	0.001	0.042	0.007	

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Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

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
70	0.019	0.040	0.039	0.002	0.001	0.141	0.037

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

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
70	0.001	0.003	0.003	0.000	0.000	0.014	0.003

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Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity:
 ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.348	0.482	0.129	0.026	0.001	0.014	1.000
%TRIP	0.309	0.418	0.215	0.041	0.000	0.017	1.000
%VEH	0.334	0.459	0.118	0.032	0.000	0.057	1.000

Title : Mountain Counties Air Basin Subarea Winter CYr 2030 Default Title
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2013/01/08 15:08:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Winter
 Area : Tuolumne (MC)

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

(MC) Tuolumne (MC) Tuolumne (MC) Tuolumne

Table 8: Evaporative Running Loss Emissions

(grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 70F Relative Humidity:
 ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.007	0.356	0.344	0.217	0.604	0.003	0.225
2	0.007	0.185	0.179	0.112	0.313	0.038	0.119
3	0.009	0.131	0.126	0.079	0.217	0.057	0.086
4	0.011	0.105	0.102	0.063	0.170	0.068	0.071
5	0.013	0.090	0.088	0.053	0.142	0.077	0.062

Nevada County EMFAC.rts

10	0.018	0.063	0.062	0.036	0.088	0.100	0.047
15	0.021	0.057	0.057	0.032	0.073	0.113	0.044
20	0.023	0.056	0.057	0.032	0.067	0.124	0.045
25	0.024	0.058	0.060	0.033	0.066	0.133	0.047
30	0.025	0.061	0.063	0.034	0.069	0.141	0.049
35	0.026	0.063	0.065	0.036	0.072	0.148	0.051
40	0.027	0.066	0.068	0.037	0.075	0.154	0.053
45	0.028	0.068	0.070	0.038	0.078	0.161	0.055
50	0.029	0.070	0.073	0.040	0.081	0.167	0.057
55	0.030	0.073	0.075	0.041	0.083	0.172	0.059
60	0.031	0.075	0.077	0.042	0.086	0.178	0.060

1

Nev City Hwy-Brunswick.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 1/08/2013 at 15:29:08

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

JOB: Nev City Hwy-Brunswick
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.8 PPM
SIGTH= 20. DEGREES TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK COORDINATES (M)	* * *	EF (G/MI)	H (M)	W (M)
		X1 Y1 X2 Y2	TYPE VPH			
1. Y SB1	*	684 1256 711 1201	* AG 1147	1.1	0.0	21.8
2. Y SB2	*	711 1201 745 1133	* AG 293	2.0	0.0	21.8
3. Y SB3	*	745 1133 800 1025	* AG 633	1.1	0.0	21.8
4. Y SB4	*	800 1025 858 906	* AG 633	1.1	0.0	21.8
5. Y NB1	*	868 911 813 1024	* AG 612	1.1	0.0	21.8
6. Y NB2	*	814 1024 761 1138	* AG 600	2.0	0.0	21.8
7. Y NB3	*	761 1138 728 1205	* AG 610	1.1	0.0	21.8
8. Y NB4	*	728 1205 700 1263	* AG 610	1.1	0.0	21.8
9. Y LT1	*	720 1198 753 1134	* AG 854	2.0	0.0	21.8
10. Y LT2	*	753 1134 802 1038	* AG 12	2.0	0.0	21.8
11. X EB1	*	596 1103 682 1125	* AG 57	1.1	0.0	26.8
12. X EB2	*	682 1125 750 1141	* AG 47	2.0	0.0	26.8
13. X EB3	*	750 1141 826 1158	* AG 901	1.1	0.0	26.8
14. X EB4	*	826 1158 923 1182	* AG 901	1.1	0.0	26.8
15. X WB1	*	924 1170 832 1147	* AG 1173	1.1	0.0	26.8
16. X WB2	*	832 1147 757 1128	* AG 833	2.0	0.0	26.8
17. X WB3	*	757 1128 687 1111	* AG 845	1.1	0.0	26.8
18. X WB4	*	687 1111 599 1090	* AG 845	1.1	0.0	26.8
19. X LT1	*	674 1115 753 1134	* AG 10	2.0	0.0	26.8
20. X LT2	*	753 1134 841 1157	* AG 340	2.0	0.0	26.8

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (M)
		X Y Z
1. Recpt 1	*	805 1099 1.8
2. Recpt 2	*	691 1157 1.8
3. Recpt 3	*	729 1093 1.8
4. Recpt 4	*	778 1179 1.8

Nev City Hwy-Brunswick.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * *	BRG (DEG)	* * * *	PRED CONC (PPM)	* * * *	1	2	3	CONC/LINK (PPM)				
									4	5	6	7	8
1. Recpt 1	*	313.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	97.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	52.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	179.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	9	10	11	CONC/LINK (PPM)				
					12	13	14	15	16
1. Recpt 1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	*CONC/LINK *(PPM)			
		17	18	19	20
1. Recpt 1	*	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0

1

Run Ended on 1/08/2013 at 15:29:08

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SR49SB-Brunswick.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:32:47

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

JOB: SR49SB-Brunswick
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.8 PPM
SIGTH= 20. DEGREES TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	* * *	684	1256	711	1201	* * *	AG	572	1.1	0.0	28.0
2. Y SB2	* * *	711	1201	745	1133	* * *	AG	274	2.0	0.0	28.0
3. Y SB3	* * *	745	1133	800	1025	* * *	AG	490	1.1	0.0	28.0
4. Y SB4	* * *	800	1025	858	906	* * *	AG	490	1.1	0.0	28.0
5. Y NB1	* * *	868	911	813	1024	* * *	AG	392	1.1	0.0	28.0
6. Y NB2	* * *	814	1024	761	1138	* * *	AG	338	2.0	0.0	28.0
7. Y NB3	* * *	761	1138	728	1205	* * *	AG	338	1.1	0.0	28.0
8. Y NB4	* * *	728	1205	700	1263	* * *	AG	338	1.1	0.0	28.0
9. Y LT1	* * *	720	1198	753	1134	* * *	AG	298	2.0	0.0	28.0
10. Y LT2	* * *	753	1134	802	1038	* * *	AG	54	2.0	0.0	28.0
11. X EB1	* * *	596	1103	682	1125	* * *	AG	1143	1.1	0.0	25.1
12. X EB2	* * *	682	1125	750	1141	* * *	AG	1143	2.0	0.0	25.1
13. X EB3	* * *	750	1141	826	1158	* * *	AG	1441	1.1	0.0	25.1
14. X EB4	* * *	826	1158	923	1182	* * *	AG	1441	1.1	0.0	25.1
15. X WB1	* * *	924	1170	832	1147	* * *	AG	1119	1.1	0.0	25.1
16. X WB2	* * *	832	1147	757	1128	* * *	AG	903	2.0	0.0	25.1
17. X WB3	* * *	757	1128	687	1111	* * *	AG	957	1.1	0.0	25.1
18. X WB4	* * *	687	1111	599	1090	* * *	AG	957	1.1	0.0	25.1
19. X LT1	* * *	674	1115	753	1134	* * *	AG	0	2.0	0.0	25.1
20. X LT2	* * *	753	1134	841	1157	* * *	AG	216	2.0	0.0	25.1

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	805	1099	1.8
2. Recpt 2	* * *	691	1157	1.8
3. Recpt 3	* * *	729	1093	1.8
4. Recpt 4	* * *	778	1179	1.8

SR49SB-Brunswick.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * BRG * (DEG)	* PRED * CONC * (PPM)	* * *	1	2	3	CONC/LINK (PPM)					
							4	5	6	7	8	
1. Recpt 1	* 308.	* 3.0	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Recpt 2	* 104.	* 3.0	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	* 51.	* 3.0	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* 177.	* 3.0	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * *	9	10	11	CONC/LINK (PPM)					
					12	13	14	15	16	
1. Recpt 1	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Recpt 2	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * CONC/LINK * (PPM) *	17	18	19	20
1. Recpt 1	* *	0.0	0.0	0.0	0.0
2. Recpt 2	* *	0.0	0.0	0.0	0.0
3. Recpt 3	* *	0.0	0.0	0.0	0.0
4. Recpt 4	* *	0.0	0.0	0.0	0.0

1

Run Ended on 1/08/2013 at 15:32:47

1 SR49NB-Brunswick.1st
 CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:42:06

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

JOB: SR49NB-Brunswick
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 6 (F) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 3.1 PPM
 SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	1912	2.9	0.0	19.1
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	1912	6.8	0.0	19.1
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	2291	2.9	0.0	19.1
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	889	2.9	0.0	19.1
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	889	2.9	0.0	19.1
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	889	2.9	0.0	19.1
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	0	6.8	0.0	19.1
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	0	2.9	0.0	26.5
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	1255	2.9	0.0	26.5
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	876	6.8	0.0	26.5
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	379	6.8	0.0	26.5

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	200.	* * *	3.8	* * *	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0

SR49NB-Brunswick.lst

2. Recpt	2	*	339.	*	4.0	*	0.1	0.4	0.0	0.0	0.0	0.2	0.0	0.0
3. Recpt	3	*	82.	*	3.8	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	104.	*	3.9	*	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0

		*CONC/LINK *(PPM)				
RECEPTOR	*	9	10	11	*	
1. Recpt	1	*	0.0	0.2	0.1	
2. Recpt	2	*	0.0	0.1	0.1	
3. Recpt	3	*	0.1	0.2	0.2	
4. Recpt	4	*	0.1	0.3	0.0	

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Run Ended on 1/08/2013 at 15:42:07

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Sutton-Brunswick.lst
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:35:26

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

JOB: Sutton-Brunswick
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.8 PPM
SIGTH= 20. DEGREES TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	* * *	684	1256	711	1201	* * *	AG	534	1.1	0.0	20.5
2. Y SB2	* * *	711	1201	745	1133	* * *	AG	421	2.0	0.0	20.5
3. Y SB3	* * *	745	1133	800	1025	* * *	AG	685	1.1	0.0	20.5
4. Y SB4	* * *	800	1025	858	906	* * *	AG	685	1.1	0.0	20.5
5. Y NB1	* * *	868	911	813	1024	* * *	AG	914	1.1	0.0	20.5
6. Y NB2	* * *	814	1024	761	1138	* * *	AG	346	2.0	0.0	20.5
7. Y NB3	* * *	761	1138	728	1205	* * *	AG	595	1.1	0.0	20.5
8. Y NB4	* * *	728	1205	700	1263	* * *	AG	595	1.1	0.0	20.5
9. Y LT1	* * *	720	1198	753	1134	* * *	AG	113	2.0	0.0	20.5
10. Y LT2	* * *	753	1134	802	1038	* * *	AG	568	2.0	0.0	20.5
11. X EB1	* * *	596	1103	682	1125	* * *	AG	1766	1.1	0.0	28.3
12. X EB2	* * *	682	1125	750	1141	* * *	AG	1517	2.0	0.0	28.3
13. X EB3	* * *	750	1141	826	1158	* * *	AG	1630	1.1	0.0	28.3
14. X EB4	* * *	826	1158	923	1182	* * *	AG	1630	1.1	0.0	28.3
15. X WB1	* * *	924	1170	832	1147	* * *	AG	1296	1.1	0.0	28.3
16. X WB2	* * *	832	1147	757	1128	* * *	AG	1032	2.0	0.0	28.3
17. X WB3	* * *	757	1128	687	1111	* * *	AG	1600	1.1	0.0	28.3
18. X WB4	* * *	687	1111	599	1090	* * *	AG	1600	1.1	0.0	28.3
19. X LT1	* * *	674	1115	753	1134	* * *	AG	249	2.0	0.0	28.3
20. X LT2	* * *	753	1134	841	1157	* * *	AG	264	2.0	0.0	28.3

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	805	1099	1.8
2. Recpt 2	* * *	691	1157	1.8
3. Recpt 3	* * *	729	1093	1.8
4. Recpt 4	* * *	778	1179	1.8

Sutton-Brunswick.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	CONC/LINK (PPM)				
									4	5	6	7	8
1. Recpt 1	*	293.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	120.	*	3.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	51.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	229.	*	3.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * *	9	10	11	CONC/LINK (PPM)				
					12	13	14	15	16
1. Recpt 1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. Recpt 4	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0

RECEPTOR	* * *	*CONC/LINK *(PPM)			
		17	18	19	20
1. Recpt 1	*	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0

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Run Ended on 1/08/2013 at 15:35:26

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Brunswick-IdahoM.lst
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:37:34

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

JOB: Brunswick-Idaho M
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.8 PPM
SIGTH= 20. DEGREES TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	* * *	684	1256	711	1201	* * *	AG	932	1.1	0.0	24.6
2. Y SB2	* * *	711	1201	745	1133	* * *	AG	730	2.0	0.0	24.6
3. Y SB3	* * *	745	1133	800	1025	* * *	AG	922	1.1	0.0	24.6
4. Y SB4	* * *	800	1025	858	906	* * *	AG	922	1.1	0.0	24.6
5. Y NB1	* * *	868	911	813	1024	* * *	AG	1125	1.1	0.0	24.6
6. Y NB2	* * *	814	1024	761	1138	* * *	AG	941	2.0	0.0	24.6
7. Y NB3	* * *	761	1138	728	1205	* * *	AG	941	1.1	0.0	24.6
8. Y NB4	* * *	728	1205	700	1263	* * *	AG	941	1.1	0.0	24.6
9. Y LT1	* * *	720	1198	753	1134	* * *	AG	202	2.0	0.0	24.6
10. Y LT2	* * *	753	1134	802	1038	* * *	AG	184	2.0	0.0	24.6
11. X EB1	* * *	596	1103	682	1125	* * *	AG	240	1.1	0.0	33.6
12. X EB2	* * *	682	1125	750	1141	* * *	AG	240	2.0	0.0	33.6
13. X EB3	* * *	750	1141	826	1158	* * *	AG	442	1.1	0.0	33.6
14. X EB4	* * *	826	1158	923	1182	* * *	AG	442	1.1	0.0	33.6
15. X WB1	* * *	924	1170	832	1147	* * *	AG	510	1.1	0.0	33.6
16. X WB2	* * *	832	1147	757	1128	* * *	AG	318	2.0	0.0	33.6
17. X WB3	* * *	757	1128	687	1111	* * *	AG	502	1.1	0.0	33.6
18. X WB4	* * *	687	1111	599	1090	* * *	AG	502	1.1	0.0	33.6
19. X LT1	* * *	674	1115	753	1134	* * *	AG	0	2.0	0.0	33.6
20. X LT2	* * *	753	1134	841	1157	* * *	AG	192	2.0	0.0	33.6

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	Y	(M) Z
1. Recpt 1	* * *	805	1099	1.8
2. Recpt 2	* * *	691	1157	1.8
3. Recpt 3	* * *	729	1093	1.8
4. Recpt 4	* * *	778	1179	1.8

Brunswick-IdahoM.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * BRG * (DEG)	* PRED * CONC * (PPM)	* * *	1	2	3	CONC/LINK (PPM)			6	7	8
1. Recpt 1	* 306.	* 3.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
2. Recpt 2	* 108.	* 2.9	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	* 53.	* 2.9	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* 179.	* 3.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	

RECEPTOR	* * *	9	10	11	CONC/LINK (PPM)					
1. Recpt 1	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * CONC/LINK * (PPM)	17	18	19	20
1. Recpt 1	* 0.0	0.0	0.0	0.0	0.0
2. Recpt 2	* 0.0	0.0	0.0	0.0	0.0
3. Recpt 3	* 0.0	0.0	0.0	0.0	0.0
4. Recpt 4	* 0.0	0.0	0.0	0.0	0.0

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Run Ended on 1/08/2013 at 15:37:34

1

LaBarr-McKn.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:38:46

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

JOB: LaBarr-McKn
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.8 PPM
SIGTH= 20. DEGREES TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	* * *	684	1256	711	1201	* * *	AG	468	1.1	0.0	32.3
2. Y SB2	* * *	711	1201	745	1133	* * *	AG	448	2.0	0.0	32.3
3. Y SB3	* * *	745	1133	800	1025	* * *	AG	475	1.1	0.0	32.3
4. Y SB4	* * *	800	1025	858	906	* * *	AG	475	1.1	0.0	32.3
5. Y NB1	* * *	868	911	813	1024	* * *	AG	1043	1.1	0.0	32.3
6. Y NB2	* * *	814	1024	761	1138	* * *	AG	304	2.0	0.0	32.3
7. Y NB3	* * *	761	1138	728	1205	* * *	AG	547	1.1	0.0	32.3
8. Y NB4	* * *	728	1205	700	1263	* * *	AG	547	1.1	0.0	32.3
9. Y LT1	* * *	720	1198	753	1134	* * *	AG	20	2.0	0.0	32.3
10. Y LT2	* * *	753	1134	802	1038	* * *	AG	739	2.0	0.0	32.3
11. X EB1	* * *	596	1103	682	1125	* * *	AG	1107	1.1	0.0	20.1
12. X EB2	* * *	682	1125	750	1141	* * *	AG	864	2.0	0.0	20.1
13. X EB3	* * *	750	1141	826	1158	* * *	AG	884	1.1	0.0	20.1
14. X EB4	* * *	826	1158	923	1182	* * *	AG	884	1.1	0.0	20.1
15. X WB1	* * *	924	1170	832	1147	* * *	AG	104	1.1	0.0	20.1
16. X WB2	* * *	832	1147	757	1128	* * *	AG	77	2.0	0.0	20.1
17. X WB3	* * *	757	1128	687	1111	* * *	AG	816	1.1	0.0	20.1
18. X WB4	* * *	687	1111	599	1090	* * *	AG	816	1.1	0.0	20.1
19. X LT1	* * *	674	1115	753	1134	* * *	AG	243	2.0	0.0	20.1
20. X LT2	* * *	753	1134	841	1157	* * *	AG	27	2.0	0.0	20.1

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	Y	(M) Z
1. Recpt 1	* * *	805	1099	1.8
2. Recpt 2	* * *	691	1157	1.8
3. Recpt 3	* * *	729	1093	1.8
4. Recpt 4	* * *	778	1179	1.8

LaBarr-MCKn.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * BRG * (DEG)	* PRED * CONC * (PPM)	* * *	1	2	3	CONC/LINK (PPM)					
							4	5	6	7	8	
1. Recpt 1	* 287.	* 3.0	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Recpt 2	* 128.	* 3.0	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	* 6.	* 2.9	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* 229.	* 2.9	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * *	9	10	11	CONC/LINK (PPM)					
					12	13	14	15	16	
1. Recpt 1	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Recpt 2	* *	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	
3. Recpt 3	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * CONC/LINK * (PPM) *	17	18	19	20
1. Recpt 1	* *	0.0	0.0	0.0	0.0
2. Recpt 2	* *	0.0	0.0	0.0	0.0
3. Recpt 3	* *	0.0	0.0	0.0	0.0
4. Recpt 4	* *	0.0	0.0	0.0	0.0

1

Run Ended on 1/08/2013 at 15:38:46

1

LaBarr-Site 2.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:45:49

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

JOB: LaBarr-Site 2
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.1 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	4	2.9	0.0	17.2
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	0	6.8	0.0	17.2
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	0	2.9	0.0	17.2
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	0	2.9	0.0	17.2
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	0	2.9	0.0	17.2
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	0	2.9	0.0	17.2
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	4	6.8	0.0	17.2
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	4	2.9	0.0	14.2
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	1008	2.9	0.0	14.2
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	1008	6.8	0.0	14.2
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	0	6.8	0.0	14.2

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	128.	* * *	3.4	* * *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LaBarr-Site 2.1st

2. Recpt	2	*	59.	*	3.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt	3	*	79.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	107.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR		*	*CONC/LINK *(PPM)		
		*	9	10	11
1. Recpt	1	*	0.0	0.3	0.0
2. Recpt	2	*	0.0	0.2	0.0
3. Recpt	3	*	0.0	0.3	0.0
4. Recpt	4	*	0.0	0.4	0.0

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Run Ended on 1/08/2013 at 15:45:49

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Brunswick-Sites 3-6,9.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 1/08/2013 at 15:43:37

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

JOB: Brunswick-Sites 3-6,9
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.1 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	0	2.9	0.0	12.2
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	0	6.8	0.0	12.2
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	72	2.9	0.0	12.2
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	141	2.9	0.0	12.2
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	141	2.9	0.0	12.2
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	141	2.9	0.0	12.2
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	0	6.8	0.0	12.2
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	0	2.9	0.0	14.2
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	1166	2.9	0.0	14.2
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	1094	6.8	0.0	14.2
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	72	6.8	0.0	14.2

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	129.	* * *	3.5	* * *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Brunswick-Sites 3-6,9.1st

2. Recpt	2	*	57.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt	3	*	82.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	107.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	*CONC/LINK *(PPM)				
	*	9	10	11	
1. Recpt	1	*	0.0	0.3	0.0
2. Recpt	2	*	0.0	0.2	0.0
3. Recpt	3	*	0.1	0.2	0.1
4. Recpt	4	*	0.0	0.4	0.0

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Run Ended on 1/08/2013 at 15:43:37

1

Brunswick-Sites 7-8.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 1/08/2013 at 15:44:45

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

JOB: Brunswick-Sites 7-8
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.1 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	18	2.9	0.0	12.2
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	0	6.8	0.0	12.2
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	0	2.9	0.0	12.2
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	0	2.9	0.0	12.2
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	0	2.9	0.0	12.2
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	0	2.9	0.0	12.2
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	18	6.8	0.0	12.2
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	18	2.9	0.0	14.2
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	1149	2.9	0.0	14.2
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	1149	6.8	0.0	14.2
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	0	6.8	0.0	14.2

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	128.	* * *	3.5	* * *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Brunswick-Sites 7-8.1st

2. Recpt	2	*	59.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt	3	*	79.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	107.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		*CONC/LINK *(PPM)			
RECEPTOR	*	9	10	11	
1. Recpt	1	*	0.0	0.4	0.0
2. Recpt	2	*	0.0	0.3	0.0
3. Recpt	3	*	0.0	0.3	0.0
4. Recpt	4	*	0.0	0.5	0.0

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Run Ended on 1/08/2013 at 15:44:45

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SR49-Cameo.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 1/08/2013 at 15:46:56

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

JOB: SR49-Cameo
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.1 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	18	2.9	0.0	21.1
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	0	6.8	0.0	21.1
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	0	2.9	0.0	21.1
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	0	2.9	0.0	21.1
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	0	2.9	0.0	21.1
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	0	2.9	0.0	21.1
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	18	6.8	0.0	21.1
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	18	2.9	0.0	24.3
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	1267	2.9	0.0	24.3
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	1267	6.8	0.0	24.3
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	0	6.8	0.0	24.3

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	129.	* * *	3.5	* * *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SR49-Cameo.1st

2. Recpt	2	*	58.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt	3	*	80.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	105.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		*CONC/LINK *(PPM)			
RECEPTOR	*	9	10	11	
1. Recpt	1	*	0.0	0.4	0.0
2. Recpt	2	*	0.0	0.3	0.0
3. Recpt	3	*	0.1	0.3	0.0
4. Recpt	4	*	0.1	0.4	0.0

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Run Ended on 1/08/2013 at 15:46:56

1

Rose-Combie.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
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Run Began on 1/08/2013 at 15:39:53

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

JOB: Rose-Combie
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.8 PPM
SIGTH= 20. DEGREES TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	* * *	684	1256	711	1201	* * *	AG	30	1.1	0.0	25.1
2. Y SB2	* * *	711	1201	745	1133	* * *	AG	25	2.0	0.0	25.1
3. Y SB3	* * *	745	1133	800	1025	* * *	AG	39	1.1	0.0	25.1
4. Y SB4	* * *	800	1025	858	906	* * *	AG	39	1.1	0.0	25.1
5. Y NB1	* * *	868	911	813	1024	* * *	AG	57	1.1	0.0	25.1
6. Y NB2	* * *	814	1024	761	1138	* * *	AG	46	2.0	0.0	25.1
7. Y NB3	* * *	761	1138	728	1205	* * *	AG	48	1.1	0.0	25.1
8. Y NB4	* * *	728	1205	700	1263	* * *	AG	48	1.1	0.0	25.1
9. Y LT1	* * *	720	1198	753	1134	* * *	AG	5	2.0	0.0	25.1
10. Y LT2	* * *	753	1134	802	1038	* * *	AG	11	2.0	0.0	25.1
11. X EB1	* * *	596	1103	682	1125	* * *	AG	900	1.1	0.0	19.1
12. X EB2	* * *	682	1125	750	1141	* * *	AG	898	2.0	0.0	19.1
13. X EB3	* * *	750	1141	826	1158	* * *	AG	903	1.1	0.0	19.1
14. X EB4	* * *	826	1158	923	1182	* * *	AG	903	1.1	0.0	19.1
15. X WB1	* * *	924	1170	832	1147	* * *	AG	592	1.1	0.0	19.1
16. X WB2	* * *	832	1147	757	1128	* * *	AG	578	2.0	0.0	19.1
17. X WB3	* * *	757	1128	687	1111	* * *	AG	589	1.1	0.0	19.1
18. X WB4	* * *	687	1111	599	1090	* * *	AG	589	1.1	0.0	19.1
19. X LT1	* * *	674	1115	753	1134	* * *	AG	2	2.0	0.0	19.1
20. X LT2	* * *	753	1134	841	1157	* * *	AG	14	2.0	0.0	19.1

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	Y	(M) Z
1. Recpt 1	* * *	805	1099	1.8
2. Recpt 2	* * *	691	1157	1.8
3. Recpt 3	* * *	729	1093	1.8
4. Recpt 4	* * *	778	1179	1.8

Rose-Combie.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * BRG * (DEG)	* PRED * CONC * (PPM)	* * *	1	2	3	CONC/LINK (PPM)					
							4	5	6	7	8	
1. Recpt 1	* 293.	* 2.9	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Recpt 2	* 109.	* 2.9	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	* 51.	* 2.9	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* 229.	* 2.9	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * *	9	10	11	CONC/LINK (PPM)					
					12	13	14	15	16	
1. Recpt 1	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Recpt 2	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	* *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * CONC/LINK * (PPM) *	17	18	19	20
1. Recpt 1	* *	0.0	0.0	0.0	0.0
2. Recpt 2	* *	0.0	0.0	0.0	0.0
3. Recpt 3	* *	0.0	0.0	0.0	0.0
4. Recpt 4	* *	0.0	0.0	0.0	0.0

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Run Ended on 1/08/2013 at 15:39:54

1 SR49-woodridge.lst
 CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
 (C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 1/08/2013 at 15:48:16

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

JOB: SR49-woodridge
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 6 (F) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 3.1 PPM
 SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	18	2.9	0.0	25.1
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	18	6.8	0.0	25.1
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	1257	2.9	0.0	25.1
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	18	2.9	0.0	25.1
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	18	2.9	0.0	25.1
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	18	2.9	0.0	25.1
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	0	6.8	0.0	25.1
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	0	2.9	0.0	25.2
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	1291	2.9	0.0	25.2
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	52	6.8	0.0	25.2
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	1239	6.8	0.0	25.2

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	202.	* * *	3.5	* * *	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

SR49-woodridge.lst

2. Recpt	2	*	311.	*	3.6	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3. Recpt	3	*	85.	*	3.8	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	132.	*	3.4	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

		*CONC/LINK			
		*(PPM)			
RECEPTOR	*	9	10	11	*
1. Recpt	1	*	0.0	0.0	0.3
2. Recpt	2	*	0.0	0.0	0.4
3. Recpt	3	*	0.1	0.0	0.5
4. Recpt	4	*	0.0	0.0	0.2

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Run Ended on 1/08/2013 at 15:48:17

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Cattle-SR20.1st
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 1/08/2013 at 15:49:24

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

JOB: Cattle-SR20
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.1 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* * *	LINK X1	COORDINATES Y1	(M) X2	Y2	* * *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Link A	* * *	6284	-181	6284	-246	* * *	AG	18	2.9	0.0	20.5
2. Link B	* * *	6284	-246	6284	-300	* * *	AG	0	6.8	0.0	20.5
3. Link C	* * *	6284	-300	6279	-453	* * *	AG	28	2.9	0.0	20.5
4. Link D	* * *	6297	-460	6298	-378	* * *	AG	18	2.9	0.0	20.5
5. Link E	* * *	6298	-378	6298	-319	* * *	AG	18	2.9	0.0	20.5
6. Link F	* * *	6298	-319	6297	-176	* * *	AG	18	2.9	0.0	20.5
7. Link G	* * *	6284	-265	6300	-314	* * *	AG	18	6.8	0.0	20.5
8. Link H	* * *	6300	-314	6462	-325	* * *	AG	18	2.9	0.0	17.1
9. Link I	* * *	6523	-313	6380	-311	* * *	AG	928	2.9	0.0	17.1
10. Link J	* * *	6380	-311	6298	-301	* * *	AG	900	6.8	0.0	17.1
11. Link K	* * *	6370	-310	6284	-326	* * *	AG	28	6.8	0.0	17.1

III. RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES X	(M) Y	Z
1. Recpt 1	* * *	6325	-280	1.7
2. Recpt 2	* * *	6315	-339	1.7
3. Recpt 3	* * *	6243	-327	1.7
4. Recpt 4	* * *	6246	-277	1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * *	BRG (DEG)	* * *	PRED CONC (PPM)	* * *	1	2	3	4	5	6	7	8
1. Recpt 1	* * *	128.	* * *	3.4	* * *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cattle-SR20.1st

2. Recpt	2	*	58.	*	3.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt	3	*	81.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt	4	*	106.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR		*CONC/LINK *(PPM)			
		* 9	10	11	
1. Recpt	1	*	0.0	0.3	0.0
2. Recpt	2	*	0.0	0.2	0.0
3. Recpt	3	*	0.1	0.2	0.0
4. Recpt	4	*	0.0	0.3	0.0

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Run Ended on 1/08/2013 at 15:49:24