Calendar Year: 2010 -- Model Years: 1965 to 2010 **South Coast Air Basin** **Emission units: Tons per Day**
South Coast Summer 2010 **South Coast Air Basin** **I and M: See county detail**
EMFAC2000 Version 2.02 **04/20/01**

	Light Duty Autos				Light Duty Trucks - 1				Light Duty Trucks - 2				Medium Duty Trucks			
	All Passenger Cars				0 - 3,750 lbs. GVW				3,751 - 5750 lbs. GVW				5,751 - 8,500 lbs. GVW			
	LDA-NCAT	LDA-CAT	LDA-DSL	LDA-TOT	LDT1-NCAT	LDT1-CAT	LDT1-DSL	LDT1-TOT	LDT2-NCAT	LDT2-CAT	LDT2-DSL	LDT2-TOT	MDV-NCAT	MDV-CAT	MDV-DSL	MDV-TOT
Vehicles	71691	6697434	16221	6785346	24236	923403	2243	949881	6433	1906453	2020	1914906	29324	780794	32306	842424
VMT/1000	1724	238648	442	240814	577	32536	61	33175	154	67194	62	67411	714	28017	1040	29771
Trips	289857	41846652	85258	42221764	99828	5706952	11989	5818768	26574	11956900	12079	11995553	123988	4888311	198741	5211040
Reactive Organic Gas Emissions																
Run Exh	12.58	28.2	0.64	41.42	4.11	5.53	0.07	9.71	1.09	9.43	0.05	10.57	6.42	5.71	0.87	13.01
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Ex	1.36	19.87	0	21.23	0.45	3	0	3.45	0.12	7.07	0	7.18	0.71	3.69	0	4.4
Total Ex	13.94	48.07	0.64	62.65	4.56	8.54	0.07	13.16	1.21	16.49	0.05	17.75	7.14	9.4	0.87	17.41
Diurnal	0.85	13.62	0	14.47	0.31	2.39	0	2.7	0.08	3.64	0	3.72	0.38	1.55	0	1.94
Hot Soak	0.88	7.59	0	8.46	0.32	1.21	0	1.53	0.08	2.18	0	2.27	0.39	0.83	0	1.22
Running	4.74	24.93	0	29.68	0.87	6.29	0	7.16	0.22	12.6	0	12.82	0.86	4.61	0	5.47
Resting	0.48	5.59	0	6.07	0.18	1.04	0	1.22	0.05	1.48	0	1.53	0.22	0.67	0	0.89
Total	20.9	99.79	0.64	121.33	6.23	19.47	0.07	25.77	1.65	36.4	0.05	38.09	8.98	17.07	0.87	26.92
Carbon Monoxide Emissions																
Run Exh	129.52	852.86	0.61	982.99	42.04	187.33	0.1	229.48	11.17	307.35	0.07	318.59	90.83	149.89	0.99	241.7
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Ex	9.48	211.87	0	221.35	3.26	39.73	0	42.99	0.86	78.99	0	79.85	7.22	38.9	0	46.12
Total Ex	139	1064.72	0.61	1204.34	45.3	227.06	0.1	272.47	12.03	386.34	0.07	398.44	98.05	188.79	0.99	287.82
Oxides of Nitrogen Emissions																
Run Exh	6.94	73.38	1.2	81.52	2.23	14.83	0.18	17.23	0.6	37.53	0.14	38.26	4.41	18.51	2.22	25.14
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Ex	0.41	14.63	0	15.04	0.14	2.17	0	2.31	0.04	7.99	0	8.03	0.28	3.33	0	3.6
Total Ex	7.35	88.01	1.2	96.56	2.36	17	0.18	19.54	0.63	45.52	0.14	46.29	4.69	21.84	2.22	28.74
Carbon Dioxide Emissions (000)																
Run Exh	1.09	110.14	0.2	111.43	0.36	18.28	0.03	18.67	0.1	39.93	0.03	40.05	0.53	22.9	0.45	23.88
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Ex	0.06	3.23	0	3.29	0.02	0.54	0	0.56	0.01	1.19	0	1.19	0.03	0.67	0	0.7
Total Ex	1.15	113.37	0.2	114.72	0.38	18.82	0.03	19.24	0.1	41.12	0.03	41.25	0.56	23.57	0.45	24.59
PM10 Emissions																
Run Exh	0.07	4.14	0.08	4.29	0.02	0.59	0.01	0.63	0.01	2.58	0.01	2.6	0.03	0.99	0.1	1.12
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Ex	0	0.31	0	0.31	0	0.04	0	0.05	0	0.2	0	0.2	0	0.07	0	0.08
Total Ex	0.08	4.45	0.08	4.61	0.02	0.64	0.01	0.68	0.01	2.79	0.01	2.8	0.03	1.06	0.1	1.19
TireWear	0.02	2.08	0	2.1	0	0.29	0	0.29	0	1.25	0	1.25	0.01	0.51	0.01	0.53
BrakeWr	0.02	3.26	0.01	3.29	0.01	0.45	0	0.46	0	1.95	0	1.96	0.01	0.81	0.01	0.83
Total	0.11	9.78	0.09	9.99	0.04	1.38	0.01	1.43	0.01	5.99	0.01	6	0.05	2.38	0.12	2.55
Lead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOx	0.01	1.11	0.02	1.14	0	0.18	0	0.19	0	0.4	0	0.4	0.01	0.23	0.04	0.27
Fuel Consumption (000 gallons)																
Gasoline	145.13	11795.11	0	11940.24	47.92	1966.84	0	2014.75	12.79	4277.54	0	4290.33	75.45	2447.19	0	2522.64
Diesel	0	0	18.3	18.3	0	0	2.59	2.59	0	0	2.48	2.48	0	0	40.63	40.63

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Calendar Year: 2010 -- Model Years: 1965 to 2010 **South Coast Air Basin** **Emission units: Tons per Day**
South Coast Summer 2010 **South Coast Air Basin** **I and M: See county detail**
EMFAC2000 Version 2.02 **04/20/01**

	Light-Heavy Duty Trucks - 1				Light-Heavy Duty Trucks - 2				Medium-Heavy Duty Trucks				Heavy-Heavy Duty Trucks		
	8,501 - 10,000 lbs. GVW				10,001 - 14,000 lbs. GVW				14,001 - 33,000 lbs. GVW				33,001 - 60,000 lbs. GVW		
	LHDT1-NCAT	LHDT1-CAT	LHDT1-DSL	LHDT1-TOT	LHDT2-NCAT	LHDT2-CAT	LHDT2-DSL	LHDT2-TOT	MHDT-NCAT	MHDT-CAT	MHDT-DSL	MHDT-TOT	HHDT-NCAT	HHDT-CAT	HHDT-DSL
Vehicles	5351	88051	15643	109045	15	22972	14042	37029	2504	22717	91063	116284	492	1869	68523
VMT/1000	39	3572	796	4407	0	978	654	1631	18	828	4937	5783	6	140	9544
Trips	176950	2911540	196774	3285265	483	759616	176634	936733	114341	1037440	2553415	3705196	22489	85341	707910
Reactive Organic Gas Emissions															
Run Exh	0.3	3.11	0.29	3.7	0	0.77	0.27	1.04	0.22	1.53	1.75	3.5	0.11	0.51	6.58
Idle Exh	0.01	0.12	0.03	0.16	0	0.03	0.03	0.06	0.01	0.05	0.54	0.6	0	0	0.91
Start Ex	0.86	2.68	0	3.54	0	0.57	0	0.57	0.89	2.02	0	2.91	0.3	0.34	0
Total Ex	1.17	5.91	0.32	7.4	0	1.38	0.3	1.68	1.11	3.6	2.3	7.01	0.42	0.85	7.48
Diurnal	0.01	0.02	0	0.03	0	0.01	0	0.01	0	0.01	0	0.01	0	0	0
Hot Soak	0.29	0.29	0	0.59	0	0.07	0	0.07	0.08	0.09	0	0.17	0.02	0.01	0
Running	1.63	6.82	0	8.45	0.01	1.35	0	1.36	0.63	2.79	0	3.42	0.16	0.36	0
Resting	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
Total	3.1	13.05	0.32	16.48	0.02	2.8	0.3	3.12	1.82	6.49	2.3	10.61	0.59	1.22	7.48
Carbon Monoxide Emissions															
Run Exh	8.86	72.13	0.97	81.96	0.02	15.48	0.85	16.35	6.02	28.11	12.08	46.22	3.44	10.11	28.66
Idle Exh	0.04	0.74	0.15	0.93	0	0.19	0.13	0.32	0.03	0.3	2.42	2.75	0	0	4.04
Start Ex	17.6	57.18	0	74.78	0.05	11.53	0	11.58	17	37.69	0	54.69	6.27	6.34	0
Total Ex	26.5	130.04	1.12	157.66	0.07	27.21	0.98	28.26	23.05	66.1	14.51	103.66	9.72	16.45	32.7
Oxides of Nitrogen Emissions															
Run Exh	0.3	9.31	4.4	14.01	0	2.62	3.77	6.39	0.21	4.52	43.09	47.82	0.1	1.11	112.86
Idle Exh	0	0.01	0.24	0.24	0	0	0.21	0.21	0	0	3.88	3.88	0	0	6.47
Start Ex	0.29	10.01	0	10.3	0	2.52	0	2.52	0.28	5	0	5.28	0.09	0.64	0
Total Ex	0.59	19.33	4.63	24.55	0	5.14	3.99	9.12	0.49	9.52	46.97	56.99	0.19	1.76	119.33
Carbon Dioxide Emissions (000)															
Run Exh	0.03	3.02	0.46	3.51	0	0.82	0.38	1.2	0.02	0.69	8.11	8.81	0	0.12	22.6
Idle Exh	0	0.03	0	0.03	0	0.01	0	0.01	0	0.01	0	0.01	0	0	0
Start Ex	0.04	0.13	0	0.17	0	0.03	0	0.03	0.03	0.04	0	0.07	0	0	0
Total Ex	0.07	3.17	0.46	3.7	0	0.86	0.38	1.24	0.04	0.74	8.11	8.89	0.01	0.12	22.6
PM10 Emissions															
Run Exh	0	0.05	0.05	0.1	0	0.01	0.05	0.07	0	0.01	1.8	1.81	0	0	3.14
Idle Exh	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.02
Start Ex	0	0.01	0	0.01	0	0	0	0	0	0	0	0.01	0	0	0
Total Ex	0	0.06	0.06	0.12	0	0.02	0.05	0.07	0	0.02	1.81	1.83	0	0	3.16
TireWear	0	0.05	0.01	0.06	0	0.01	0.01	0.02	0	0.01	0.06	0.08	0	0	0.38
BrakeWr	0	0.05	0.01	0.06	0	0.01	0.01	0.02	0	0.01	0.07	0.08	0	0	0.13
Total	0	0.15	0.08	0.23	0	0.04	0.07	0.11	0	0.04	1.94	1.99	0	0.01	3.67
Lead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOx	0	0.03	0.04	0.07	0	0.01	0.03	0.04	0	0.01	0.67	0.68	0	0	1.87
Fuel Consumption (000 gallons)															
Gasoline	12.13	347.77	0	359.9	0.03	93.31	0	93.34	8.32	87.61	0	95.93	2.68	15.16	0
Diesel	0	0	41.17	41.17	0	0	34.15	34.15	0	0	729.83	729.83	0	0	2034.14

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Calendar Year: 2010 -- Model Years: 1965 to 2010 **South Coast Air Basin** **Emission units: Tons per Day**
South Coast Summer 2010 **South Coast Air Basin** **I and M: See county detail**
EMFAC2000 Version 2.02 **04/20/01**

	School Buses				Urban Buses				Motor Homes				Motorcycles				All
		All Weight Classes				All Weight Classes				All Weight Classes				All Weight Classes			Total
	SBUS-NCAT	SBUS-CAT	SBUS-DSL	SBUS-TOT	UB-NCAT	UB-CAT	UB-DSL	UB-TOT	MH-NCAT	MH-CAT	MH-DSL	MH-TOT	MCY-NCAT	MCY-CAT	MCY-DSL	MCY-TOT	ALL-TOT
Vehicles	227	2524	9477	12228	57	2623	5275	7955	951	87849	6673	95474	80390	37007	0	117398	11058856
VMT/1000	9	98	369	476	7	303	609	919	11	1183	91	1286	551	336	0	887	396250
Trips	909	10100	37908	48917	229	10493	21099	31821	95	8788	667	9551	160765	74007	0	234772	74315120
Reactive Organic Gas Emissions																	
Run Exh	0.04	0.06	0.05	0.15	0.25	1.82	0.67	2.74	0.09	1.12	0.02	1.22	1.91	0.69	0	2.6	96.85
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.73
Start Ex	0.01	0.02	0	0.02	0.01	0.1	0	0.11	0	0.01	0	0.01	0.36	0.14	0	0.5	44.59
Total Ex	0.04	0.08	0.05	0.17	0.26	1.92	0.67	2.85	0.09	1.13	0.02	1.23	2.28	0.83	0	3.11	143.17
Diurnal	0	0	0	0	0	0	0	0	0	0.02	0	0.02	0.05	0.37	0	0.42	23.32
Hot Soak	0	0	0	0	0	0	0	0.01	0	0	0	0	0.03	0.08	0	0.1	14.45
Running	0.01	0.02	0	0.02	0	0.03	0	0.04	0	0.02	0	0.02	0.16	0.4	0	0.55	69.51
Resting	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0.03	0.14	0	0.17	9.9
Total	0.05	0.1	0.05	0.2	0.26	1.95	0.67	2.89	0.09	1.17	0.02	1.28	2.53	1.82	0	4.36	260.35
Carbon Monoxide Emissions																	
Run Exh	1.01	1.47	0.33	2.8	7.21	32.99	2.86	43.07	2.23	26.8	0.12	29.14	20	4.62	0	24.61	2059.12
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.05
Start Ex	0.17	0.36	0	0.53	0.13	1.71	0	1.84	0.01	0.24	0	0.25	1.41	0.82	0	2.23	548.82
Total Ex	1.18	1.82	0.33	3.33	7.35	34.7	2.86	44.91	2.23	27.04	0.12	29.39	21.41	5.43	0	26.84	2615.99
Oxides of Nitrogen Emissions																	
Run Exh	0.03	0.15	1.13	1.31	0.21	3.45	13.18	16.85	0.1	4.78	0.77	5.65	0.67	0.35	0	1.02	369.28
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.81
Start Ex	0	0.04	0	0.04	0	0.14	0	0.14	0	0.03	0	0.03	0.06	0.02	0	0.08	48.1
Total Ex	0.04	0.19	1.13	1.36	0.21	3.59	13.18	16.99	0.1	4.81	0.77	5.68	0.73	0.37	0	1.1	428.2
Carbon Dioxide Emissions (000)																	
Run Exh	0	0.02	0.14	0.16	0.01	0.25	1.82	2.08	0.01	0.96	0.15	1.12	0.08	0.06	0	0.14	233.79
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04
Start Ex	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0.01	6.04
Total Ex	0	0.02	0.14	0.16	0.01	0.25	1.82	2.08	0.01	0.96	0.15	1.12	0.09	0.06	0	0.15	239.87
PM10 Emissions																	
Run Exh	0	0	0.05	0.05	0	0.01	0.23	0.23	0	0.01	0.03	0.03	0.03	0	0	0.03	14.11
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04
Start Ex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66
Total Ex	0	0	0.05	0.05	0	0.01	0.23	0.23	0	0.01	0.03	0.03	0.03	0	0	0.03	14.81
TireWear	0	0	0	0	0	0	0.01	0.01	0	0.02	0	0.02	0	0	0	0	4.73
BrakeWr	0	0	0	0	0	0	0.01	0.01	0	0.02	0	0.02	0.01	0	0	0.01	6.87
Total	0	0	0.05	0.05	0	0.02	0.24	0.26	0	0.04	0.03	0.07	0.04	0.01	0	0.05	26.41
Lead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOx	0	0	0.01	0.01	0	0	0.15	0.15	0	0.01	0.01	0.02	0	0	0	0	4.86
Fuel Consumption (000 gallons)																	
Gasoline	0.43	2.68	0	3.11	1.84	32.26	0	34.09	1.3	102.95	0	104.25	13.27	7.71	0	20.98	21497.4
Diesel	0	0	12.34	12.34	0	0	163.85	163.85	0	0	13.46	13.46	0	0	0	0	3092.93

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