
APPENDIX C
AIR QUALITY MODELING DATA

UCP
TRAFFIC DATA AND EMISSION ESTIMATES

MOBILE SOURCE EMISSIONS ASSOCIATED WITH BUILDOUT OF THE UCP

Traffic Data for External Trips

Merced County Scenario

2025	VT	Daily VMT	ATL
Buildout No Project, No Parkway	1,538,288	15,685,004	10.20
Buildout No Project, Southern Parkway	1,538,274	15,652,978	10.18
Buildout Project, No Parkway	1,593,778	15,723,988	9.87
Buildout Project, Southern Parkway	1,593,760	15,661,898	9.83
Buildout Project, Full Parkway & other mits	1,593,739	15,627,809	9.81
Buildout Campus Only, No Parkway	1,616,480	15,807,512	9.78
Buildout Campus Only, Full Parkway & other mits	1,616,415	15,240,444	9.43

UCP Trips^a

	VT	Daily VMT	ATL
External	42,000	412,020	9.81
Internal	85,000	255,000	3
Total	127,000	667,020	

Traffic Information From: Julie Morgan-Fehr and Peers. 7-11-01

a: 67 percent trips internal and 33 percent of trips external

UCP CUMULATIVE EMISSION ESTIMATES AND ACTVERT DATA

	from URBEMIS	BURDEN "TYPE"	Existing Population	No Project, No Parkway			No Project, Southern Parkway			Buildout CAMPUS only, No Parkway, other Mits ("NO PROJECT")		
				VEH	DVMT	STARTS	VEH	DVMT	STARTS	VEH	DVMT	STARTS
LDA	0.75	1	113,863	148,731	11,763,753	1,153,716	148,731	11,739,734	1,153,706	148,731	11,855,634	#REF!
		2	0	0			0	0	0	0	0	
		3	0	0			0	0	0	0	0	
LDT	0.1	4	66,223	19,831	1,568,500	153,829	19,831	1,565,298	153,827	19,831	1,580,751	161,648
MDT	0.03	5	9,223	5,949	470,550	46,149	5,949	469,589	46,148	5,949	474,225	48,494
UBD	0.02	6	10	3,966	313,700	30,766	3,966	313,060	30,765	3,966	318,150	32,330
HDGT	0.02	7	3,413	3,966	313,700	30,766	3,966	313,060	30,765	3,966	318,150	32,330
HDDT	0.05	8	3,788	9,915	784,250	76,914	9,915	782,649	76,914	9,915	790,376	80,824
		9	0	0			0	0	0	0	0	
MCY	0.03	10	1,707	5,949	470,550	46,149	5,949	469,589	46,148	5,949	474,225	48,494
	1		198,308	198,308	15,685,004	1,538,283	198,308	15,652,978	1,538,274	198,308	15,807,512	1,616,480
					Tons/Day	Tons/Year		Tons/Day	Tons/Year		Tons/Day	Tons/Year
				ROG	4.89	1,785	ROG	4.88	1,781	ROG	4.96	1,810
				CO	57.23	20,889	CO	57.13	20,852	CO	58	21,170
				NOx	17.17	6,267	NOx	17.14	6,256	NOx	17.35	6,333
				PM10	0.69	252	PM10	0.69	252	PM10	0.69	252
				Sox	0.72	263	Sox	0.72	263	Sox	0.73	266

SCENARIO TITLE: UCP INTERNAL TRIPS

OSWOND PLANTING INVENTORY

CALENDAR YEAR: 2020 -- Model Years 1986 to 2020 inclusive

MERCED TOTAL COUNTY

EMISSION UNIT: TONS PER DAY

MVST170 ver 1.0c/DAILY EMISSIONS

SAN JOAQUIN VALLEY Air Basin

UNPAVED & BASIC 1/1/1 PROGRAMS IN EFFECT

ALL ON-ROAD EMISSIONS

	LIGHT DUTY AUTOMOBILES				LIGHT DUTY TRUCKS				MEDIUM DUTY TRUCKS(1)				HEAVY DUTY TRUCKS				TOTAL	MOTOR- CYCLES	ALL VEHICLES
	NON-CAT	CAT	DYSEL	TOTAL	NON-CAT	CAT	DYSEL	TOTAL	NON-CAT	CAT	DYSEL	TOTAL	NON-CAT	CAT	DYSEL	TOTAL			
NO. OF IN USE VEH	0	148712	18	148731	0	12820	0	12820	0	8421	4440	12861	0	422	5473	5895	186A	444A	148101
DAILY VMT (X 1000)	0	190	0	190	0	25	0	25	0	12	3	15	0	1	9	10	4	8	252
NO. OF DAILY STARTS	3	63745	4	63749	0	8193	0	8193	0	4059	1352	5411	0	180	2343	2523	1700	2549	8491
REACTIVE ORGANIC GAS EMISSIONS																			
RUNNING EXHAUST	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.04
START EXHAUST	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
SUBTOTAL EXHAUST	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.06
DIURNAL EVAPORATION	0.00	0.14	0.00	0.14	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
HOT SOAK EVAPORATION	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
RUNNING LOSSES	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
WASTING LOSSES	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
SUBTOTAL EVAPORATION	0.00	0.20	0.00	0.20	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
TOTAL ROG EMISSION	0.00	0.23	0.00	0.23	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.28
CARBON MONOXIDE EMISSIONS																			
RUNNING EXHAUST	0.00	0.44	0.00	0.44	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.53
START EXHAUST	0.00	0.30	0.00	0.30	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34
TOTAL CO EMISSION	0.00	0.75	0.00	0.75	0.00	0.12	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.87
OXIDES OF NITROGEN EMISSIONS																			
RUNNING EXHAUST	0.00	0.05	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
START EXHAUST	0.00	0.04	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
TOTAL NOX EMISSION	0.00	0.09	0.00	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
CARBON DIOXIDE EMISSIONS (1000)																			
RUNNING EXHAUST	0.00	0.03	N/A	0.03	0.00	0.11	N/A	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
START EXHAUST	0.00	0.05	N/A	0.05	0.00	0.01	N/A	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
TOTAL CO2 EMISSION	0.00	0.08	N/A	0.08	0.00	0.12	N/A	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
PARTICULATE MATTER EMISSIONS LESS THAN 10 MICRONS																			
EXHAUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TIRE WEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAKE WEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL PM10 EMISSION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEAD																			
SULFUR OXIDES- as SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL CONSUMED IN 1000 GALLONS																			
GASOLINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIESEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PREDICTED CALIFORNIA VEHICLE EMISSIONS															EMMISSION UNIT: TONS PER DAY								
OZONE PLANNING INVENTORY															FINANCED & BASIC I/M PROGRAMS IN EFFECT								
SCENARIO TITLE: UCP NO PROJECT SOUTHERN PARKWAY															RUN DATE: 07/31/01								
CALENDAR YEAR: 2020 -- Model Year 1986 to 2020 Inclusive															MERCED COUNTY								
MVEI70 ver 1.0c/DAILY EMISSIONS															SAN JOAQUIN VALLEY Air Basin								
ALL ON-ROAD EMISSIONS																							
LIGHT DUTY AUTOMOBILES				LIGHT DUTY TRUCKS < 6,000 lbs				MEDIUM DUTY TRUCKS(1) 6,001 to 14,000 lbs				HEAVY DUTY TRUCKS > 14,001 lbs				URBAN		MOTOR		ALL			
GAS		DIESEL		TOTAL		GAS		DIESEL		TOTAL		GAS		DIESEL		TOTAL		BUSES		CYCLES		VEHICLES	
NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT	NON-CAT	CAT
NO. OF IN USE VEH	0	148711	1R	148711	0	19810	0	13810	0	9491	4440	14931	0	422	5473	5895	3966	5948	19830				
DAILY VMT (X 1000)	0	11739	1	11739	0	1564	0	1564	0	746	171	917	0	36	610	646	312	470	15648				
NO. OF DAILY STARTS	0	113612	93	113705	0	15368	0	15188	0	73632	3456	108088	0	1281	42477	45718	10764	42148	153871				
REACTIVE ORGANIC GAS EMISSIONS																							
RUNNING EXHAUST	0.00	0.38	0.00	0.38	0.00	0.05	0.00	0.05	0.00	0.08	0.01	0.09	0.00	0.01	0.51	0.52	0.51	0.51	0.56				
START EXHAUST	0.00	0.28	0.00	0.28	0.00	0.04	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
SUBTOTAL EXHAUST	0.00	0.65	0.00	0.65	0.00	0.08	0.00	0.08	0.00	0.10	0.01	0.11	0.00	0.01	0.51	0.52	0.51	0.51	0.56				
DIURNAL EVAPORATION	0.00	0.14	0.00	0.14	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
HOT SOAK EVAPORATION	0.00	0.17	0.00	0.17	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
RUNNING LOSSES	0.00	1.18	0.00	1.18	0.00	0.12	0.00	0.12	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
RESTING LOSSES	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
SUBTOTAL EVAPORATION	0.00	1.52	0.00	1.52	0.00	0.15	0.00	0.15	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TOTAL ROG EMISSION	0.00	2.17	0.00	2.17	0.00	0.24	0.00	0.24	0.00	0.17	0.01	0.18	0.00	0.02	0.51	0.51	0.51	0.51	0.56				
CARBON MONOXIDE EMISSIONS																							
RUNNING EXHAUST	0.00	27.31	0.00	27.31	0.00	4.75	0.00	4.75	0.00	0.86	0.86	5.15	0.00	0.71	5.17	5.87	0.49	6.04	49.61				
START EXHAUST	0.00	5.50	0.00	5.50	0.00	0.74	0.00	0.74	0.00	0.30	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TOTAL CO EMISSION	0.00	32.81	0.00	32.81	0.00	5.49	0.00	5.49	0.00	4.58	0.86	5.44	0.00	0.71	5.17	5.87	0.49	7.02	57.13				
OXIDES OF NITROGEN EMISSIONS																							
RUNNING EXHAUST	0.00	3.16	0.00	3.16	0.00	0.73	0.00	0.73	0.00	0.98	0.51	1.48	0.00	0.14	5.29	5.43	4.81	0.51	16.12				
START EXHAUST	0.00	0.74	0.00	0.74	0.00	0.17	0.00	0.17	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TOTAL NOx EMISSION	0.00	3.90	0.00	3.90	0.00	0.90	0.00	0.90	0.00	1.05	0.51	1.56	0.00	0.14	5.29	5.43	4.81	0.51	16.12				
CARBON DIOXIDE EMISSIONS x100																							
RUNNING EXHAUST	0.00	38.75	N/A	38.75	0.00	6.47	N/A	6.47	0.00	2.58	N/A	2.58	N/A	N/A	N/A	N/A	N/A	N/A	48.21				
START EXHAUST	0.00	0.86	N/A	0.86	0.00	0.13	N/A	0.13	0.00	0.06	N/A	0.06	N/A	N/A	N/A	N/A	N/A	N/A	1.05				
TOTAL CO2 EMISSION	0.00	39.61	N/A	39.61	0.00	7.00	N/A	7.00	0.00	2.65	N/A	2.65	N/A	N/A	N/A	N/A	N/A	N/A	49.26				
PARTICULATE MATTER EMISSIONS LESS THAN 10 MICRONS																							
EXHAUST	0.00	0.05	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.07	0.01	0.08	0.00	0.00	0.17	0.17	0.01	0.02	0.31				
TIRE-WEAR	0.00	0.10	0.00	0.10	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.02	0.01	0.00	0.16				
BRAKE-WEAR	0.00	0.16	0.00	0.16	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.42				
TOTAL PM10 EMISSION	0.00	0.31	0.00	0.31	0.00	0.04	0.00	0.04	0.00	0.04	0.04	0.08	0.00	0.00	0.20	0.20	0.02	0.03	0.69				
LEAD																							
EXHAUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TIRE-WEAR	0.00	0.10	0.00	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
BRAKE-WEAR	0.00	0.10	0.00	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TOTAL LEAD EMISSION	0.00	0.20	0.00	0.20	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
SULFUR OXIDES - as SO2																							
EXHAUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TIRE-WEAR	0.00	0.10	0.00	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
BRAKE-WEAR	0.00	0.10	0.00	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TOTAL SULFUR OXIDES EMISSION	0.00	0.20	0.00	0.20	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
FUEL CONSUMED IN 1000 GALLONS																							
GASOLINE	0.00	411.56		411.56	0.00	72.87		72.87	0.00	22.67		22.67	0.00	76.03		76.03	0.00	6.37	5.37				
DIESEL	0.00	0.02		0.02	0.00	0.00		0.00	0.00	25.58		25.58	0.00	74.48		74.48	0.00	91.49	91.49				

SCENARIO TITLE: CAMPUG ONLY NO PARKWAY

CALENDAR YEAR: 2020 -- Model Years 1986 to 2020 inclusive

MPCRD TOTAL COUNTY

EMISSION UNIT: TONS PER DAY

MVE170 ver 1.0c/DAILY EMISSIONS

SAN JOAQUIN VALLEY Air Basin

UNABATED & BASIC I/M PROGRAMS IN EFFECT

ALL ON-ROAD EMISSIONS																	
LIGHT DUTY AUTOMOBILES						LIGHT DUTY TRUCKS				MEDIUM DUTY TRUCKS(11)				HEAVY DUTY TRUCKS			
NON-CAT		CAT		TOTAL		NON-CAT		CAT		TOTAL		NON-CAT		CAT		TOTAL	
GAS		DIESEL		TOTAL		GAS		DIESEL		TOTAL		GAS		DIESEL		TOTAL	
NO. OF IN USE VEH	DAILY WMT (X 1000)	NO. OF DAILY STARTS	NO. OF IN USE VEH	DAILY WMT (X 1000)	NO. OF DAILY STARTS	NO. OF IN USE VEH	DAILY WMT (X 1000)	NO. OF DAILY STARTS	NO. OF IN USE VEH	DAILY WMT (X 1000)	NO. OF DAILY STARTS	NO. OF IN USE VEH	DAILY WMT (X 1000)	NO. OF DAILY STARTS	NO. OF IN USE VEH	DAILY WMT (X 1000)	NO. OF DAILY STARTS
0	148713	18	148731	0	15820	0	15830	0	8191	4440	13931	0	422	5473	5895	1966	5048
0	11854	1	11855	0	1580	0	1580	0	752	173	925	0	37	616	653	315	474
0	1212259	95	1212358	0	161648	0	161648	0	7375	36206	113581	0	3448	44615	49063	32371	48491
REACTIVE ORGANIC GAS EMISSIONS																	
RUNNING EXHAUST	0.00	0.18	0.00	0.18	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.52	0.97
START EXHAUST	0.00	0.29	0.00	0.29	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.29
SUBTOTAL EXHAUST	0.00	0.47	0.00	0.47	0.00	0.09	0.00	0.09	0.00	0.10	0.01	0.11	0.00	0.01	0.00	0.52	1.26
DIURNAL EVAPORATION	0.00	0.14	0.00	0.14	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01
HOT SOAK EVAPORATION	0.00	0.17	0.00	0.17	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.02
RUNNING LOSSES	0.00	1.19	0.00	1.19	0.00	0.12	0.00	0.12	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00
RESTING LOSSES	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL EVAPORATION	0.00	1.54	0.00	1.54	0.00	0.15	0.00	0.15	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.03
TOTAL ROG EMISSION	0.00	2.21	0.00	2.21	0.00	0.24	0.00	0.24	0.00	0.17	0.01	0.18	0.00	0.02	0.00	0.52	1.29
CARBON MONOXIDE EMISSIONS																	
RUNNING EXHAUST	0.00	27.58	0.00	27.58	0.00	4.90	0.00	4.90	0.00	4.32	0.00	4.32	0.00	0.71	5.22	5.93	6.10
START EXHAUST	0.00	5.78	0.00	5.78	0.00	0.78	0.00	0.78	0.00	0.31	0.00	0.31	0.00	0.00	0.00	0.00	1.03
TOTAL CO EMISSION	0.00	33.36	0.00	33.36	0.00	5.68	0.00	5.68	0.00	4.64	0.00	4.64	0.00	0.71	5.22	5.93	7.13
OXIDE OF NITROGEN EMISSIONS																	
RUNNING EXHAUST	0.00	3.19	0.00	3.20	0.00	0.74	0.00	0.74	0.00	0.58	0.00	0.58	0.00	0.14	5.34	5.49	4.86
START EXHAUST	0.00	0.78	0.00	0.78	0.00	0.17	0.00	0.17	0.00	0.37	0.00	0.37	0.00	0.00	0.00	0.00	0.02
TOTAL NOx EMISSION	0.00	3.97	0.00	3.97	0.00	0.91	0.00	0.91	0.00	1.07	0.00	1.07	0.00	0.14	5.34	5.49	4.88
CARBON DIOXIDE EMISSIONS x100																	
RUNNING EXHAUST	0.00	39.14	N/A	39.14	0.00	6.94	N/A	6.94	0.00	2.61	N/A	2.61	N/A	N/A	N/A	N/A	N/A
START EXHAUST	0.00	0.90	N/A	0.90	0.00	0.14	N/A	0.14	0.00	0.06	N/A	0.06	N/A	N/A	N/A	N/A	N/A
TOTAL CO2 EMISSION	0.00	40.04	N/A	40.04	0.00	7.08	N/A	7.08	0.00	2.68	N/A	2.68	N/A	N/A	N/A	N/A	N/A
PARTICULATE MATTER EMISSIONS LESS THAN 10 MICRONS																	
EXHAUST	0.00	0.05	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.01	0.02
TIRE-WEAR	0.00	0.10	0.00	0.10	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.01
BRAKE-WEAR	0.00	0.16	0.00	0.16	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01
TOTAL PM10 EMISSION	0.00	0.32	0.00	0.32	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.02	0.03
LEAD																	
SULFUR OXIDES - as SO2	0.00	0.10	0.00	0.10	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00
FUEL CONSUMED IN 1000 GALLONS																	
GASOLINE	0.00	416.03	0.00	416.03	0.00	73.45	0.00	73.45	0.00	76.81	0.00	76.81	0.00	6.44	6.44	9.48	582.21
DIESEL	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	25.83	0.00	25.83	0.00	92.39	92.39	47.28	165.52

URBEMIS 7G For Windows 5.1.0

File Name: C:\Urb7G5.1\Projects\UCP2015.urb
Project Name: UCP2015
Project Location: San Joaquin Valley

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

Source	COG	NOx	CO	PM10	SOX
Natural Gas	0.28	3.70	1.57	0.01	-
Wood Stoves	0.00	0.00	0.00	0.00	0.00
Fireplaces	0.00	0.00	0.00	0.00	0.00
Landscaping	0.04	0.01	0.40	0.00	0.01
Consumer Prdcts	10.29	-	-	-	-
TOTALS (tpy, unmitigated)	10.61	3.71	1.97	0.01	0.01

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Changes made to the default values for Area
The landscape year changed from 2000 to 2015.

UREMIS 7G For Windows 5.1.0

File Name: C:\Urb7G5.1\Projects\UCP2025.urb
Project Name: UCP 2025
Project Location: San Joaquin Valley

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SOX
Natural Gas	3.35	39.57	16.78	0.08	-
Wood Stoves	0.30	0.00	0.00	0.00	0.00
Fireplaces	0.30	0.00	0.00	0.00	0.00
Landscaping	0.35	0.09	3.74	0.00	0.13
Consumer Prdcts	103.71	-	-	-	-
TOTALS (tpy, unmitigated)	107.11	39.66	20.51	0.08	0.13

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Changes made to the default values for Area
The landscape year changed from 2000 to 2020.