

APPENDIX 3.3

Air Quality Emission Calculations

Existing Operational Emissions

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Comm'l.urb924

Project Name: 112-23 OVOV Existing Commercial 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	57.33	59.72	57.44	0.00	0.13	0.13	71,575.84

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	4,089.43	6,218.14	54,530.90	57.76	9,513.24	1,850.80	5,638,883.05

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	4,146.76	6,277.86	54,588.34	57.76	9,513.37	1,850.93	5,710,458.89

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	4.33	59.64	50.10	0.00	0.11	0.11	71,564.80
Hearth - No Summer Emissions							
Landscape	0.64	0.08	7.34	0.00	0.02	0.02	11.04
Consumer Products	0.00						
Architectural Coatings	52.36						
TOTALS (lbs/day, unmitigated)	57.33	59.72	57.44	0.00	0.13	0.13	71,575.84

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 10% to 0%
- Percentage of residences with wood fireplaces changed from 5% to 0%
- Percentage of residences with natural gas fireplaces changed from 85% to 0%
- The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Comm'l Ctr >30 ac	777.11	1,175.79	10,311.24	10.92	1,798.86	349.97	1,066,255.74
Comm'l Ctr 10-30 ac	1,989.47	3,026.35	26,540.01	28.11	4,630.06	900.78	2,744,425.53
Comm'l Ctr <10 ac	925.08	1,415.18	12,410.64	13.15	2,165.11	421.22	1,283,348.62
Comm'l Shops	397.77	600.82	5,269.01	5.58	919.21	178.83	544,853.16
TOTALS (lbs/day, unmitigated)	4,089.43	6,218.14	54,530.90	57.76	9,513.24	1,850.80	5,638,883.05

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 80 Season: Summer
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Comm'l Ctr >30 ac		40.06	1000 sq ft	2,221.66	88,999.70	1,041,296.46
Comm'l Ctr 10-30 ac		54.06	1000 sq ft	4,237.43	229,075.48	2,680,183.09
Comm'l Ctr <10 ac		85.06	1000 sq ft	1,259.35	107,120.31	1,253,307.56
Comm'l Shops		37.06	1000 sq ft	1,227.16	45,478.55	532,099.06
					470,674.04	5,506,886.17

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Comm'l Ctr >30 ac	2.0	1.0	97.0
Comm'l Ctr 10-30 ac	2.0	1.0	97.0
Comm'l Ctr <10 ac	2.0	1.0	97.0
Comm'l Shops	2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Comm'l.urb924

Project Name: 112-23 OVOV Existing Commercial 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	56.69	59.64	50.10	0.00	0.11	0.11	71,564.80

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	4,752.55	7,497.69	52,077.19	48.03	9,513.24	1,850.80	5,104,178.97

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	4,809.24	7,557.33	52,127.29	48.03	9,513.35	1,850.91	5,175,743.77

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	4.33	59.64	50.10	0.00	0.11	0.11	71,564.80
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	52.36						
TOTALS (lbs/day, unmitigated)	56.69	59.64	50.10	0.00	0.11	0.11	71,564.80

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 10% to 0%
- Percentage of residences with wood fireplaces changed from 5% to 0%
- Percentage of residences with natural gas fireplaces changed from 85% to 0%
- The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Comm'l Ctr >30 ac	900.39	1,417.74	9,847.27	9.08	1,798.86	349.97	965,148.61
Comm'l Ctr 10-30 ac	2,312.67	3,649.10	25,345.80	23.38	4,630.06	900.78	2,484,186.84
Comm'l Ctr <10 ac	1,079.10	1,706.39	11,852.20	10.93	2,165.11	421.22	1,161,655.77
Comm'l Shops	460.39	724.46	5,031.92	4.64	919.21	178.83	493,187.75
TOTALS (lbs/day, unmitigated)	4,752.55	7,497.69	52,077.19	48.03	9,513.24	1,850.80	5,104,178.97

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 60 Season: Winter
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Comm'l Ctr >30 ac		40.06	1000 sq ft	2,221.66	88,999.70	1,041,296.46
Comm'l Ctr 10-30 ac		54.06	1000 sq ft	4,237.43	229,075.48	2,680,183.09
Comm'l Ctr <10 ac		85.06	1000 sq ft	1,259.35	107,120.31	1,253,307.56
Comm'l Shops		37.06	1000 sq ft	1,227.16	45,478.55	532,099.06
					470,674.04	5,506,886.17

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Comm'l Ctr >30 ac	2.0	1.0	97.0
Comm'l Ctr 10-30 ac	2.0	1.0	97.0
Comm'l Ctr <10 ac	2.0	1.0	97.0
Comm'l Shops	2.0	1.0	97.0

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Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Institutional.urb924

Project Name: 112-23 OVOV Existing Institutional 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	221.96	324.17	285.04	0.00	0.61	0.61	388,864.18

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,332.06	1,378.03	12,174.61	12.82	2,105.37	409.73	1,249,903.26

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,554.02	1,702.20	12,459.65	12.82	2,105.98	410.34	1,638,767.44

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Institutional.urb924

Project Name: 112-23 OVOV Existing Institutional 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	220.83	324.04	272.19	0.00	0.58	0.58	388,844.86

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,246.32	1,661.73	11,614.55	10.65	2,105.37	409.73	1,131,578.16

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,467.15	1,985.77	11,886.74	10.65	2,105.95	410.31	1,520,423.02

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	23.53	324.04	272.19	0.00	0.58	0.58	388,844.86
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	197.30						
TOTALS (lbs/day, unmitigated)	220.83	324.04	272.19	0.00	0.58	0.58	388,844.86

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Elementary school	536.69	692.51	4,861.87	4.44	876.47	170.61	471,670.49
High school	223.63	299.75	2,091.99	1.92	379.91	73.93	204,105.67
Junior college (2 yrs)	344.37	451.07	3,138.65	2.89	572.09	111.31	307,097.30
Library	46.05	72.74	506.15	0.47	92.26	17.95	49,523.76
Place of worship	47.15	72.29	502.41	0.46	91.71	17.84	49,213.75
Hospital	26.07	40.25	283.43	0.26	50.91	9.91	27,419.51
Day Care	22.36	33.12	230.05	0.21	42.02	8.18	22,547.68
TOTALS (lbs/day, unmitigated)	1,246.32	1,661.73	11,614.55	10.65	2,105.37	409.73	1,131,578.16

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 60 Season: Winter
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Elementary school		1.45	1000 sq ft	29,902.00	43,357.90	507,287.44
High school		1.79	students	10,500.00	18,795.00	219,901.49
Junior college (2 yrs)		1.54	students	18,379.00	28,303.66	331,152.81
Library		84.95	1000 sq ft	53.73	4,564.36	53,403.05
Place of worship		9.30	1000 sq ft	487.89	4,537.38	53,087.31
Hospital		16.80	1000 sq ft	149.90	2,518.32	29,464.34
Day Care		4.52	1000 sq ft	460.00	2,079.20	24,326.64
					104,155.82	1,218,623.08

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
High school				10.0	5.0	85.0
Junior college (2 yrs)				5.0	2.5	92.5
Library				5.0	2.5	92.5

	<u>Travel Conditions</u>					
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Place of worship				3.0	1.5	95.5
Hospital				25.0	12.5	62.5
Day Care				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Res'l.urb924

Project Name: 112-23 OVOV Existing Residential 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	4,600.95	1,048.26	3,032.98	0.13	8.99	8.89	1,313,719.80

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	6,446.64	8,816.78	80,437.25	82.10	13,389.92	2,609.50	8,006,351.55

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	11,047.59	9,865.04	83,470.23	82.23	13,398.91	2,618.39	9,320,071.35

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	79.27	1,026.36	436.75	0.01	1.97	1.94	1,310,250.40
Hearth - No Summer Emissions							
Landscape	467.23	21.90	2,596.23	0.12	7.02	6.95	3,469.40
Consumer Products	3,838.12						
Architectural Coatings	216.33						
TOTALS (lbs/day, unmitigated)	4,600.95	1,048.26	3,032.98	0.13	8.99	8.89	1,313,719.80

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Single family housing	4,411.74	6,073.02	55,405.32	56.55	9,223.00	1,797.43	5,514,788.17
Apartments mid rise	201.44	268.45	2,449.16	2.50	407.70	79.45	243,778.46
Condo/townhouse general	1,675.10	2,265.15	20,665.41	21.09	3,440.05	670.42	2,056,938.91
Mobile home park	150.28	200.28	1,827.23	1.87	304.17	59.28	181,874.41
Retirement community	8.08	9.88	90.13	0.09	15.00	2.92	8,971.60
TOTALS (lbs/day, unmitigated)	6,446.64	8,816.78	80,437.25	82.10	13,389.92	2,609.50	8,006,351.55

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	15,357.00	9.90	dwelling units	46,071.00	456,102.88	5,336,403.64
Apartments mid rise	76.89	6.90	dwelling units	2,922.00	20,161.80	235,893.06
Condo/townhouse general	1,329.06	8.00	dwelling units	21,265.00	170,120.00	1,990,403.97
Mobile home park	363.33	6.90	dwelling units	2,180.00	15,042.00	175,991.40
Retirement community	40.00	3.71	dwelling units	200.00	742.00	8,681.40
					662,168.68	7,747,373.47

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Res\l.urb924

Project Name: 112-23 OVOV Existing Residential 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	15,517.55	2,003.68	32,004.27	88.62	4,897.32	4,714.61	2,619,891.79

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	7,113.03	10,634.94	76,646.60	68.40	13,389.92	2,609.50	7,254,102.10

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	22,630.58	12,638.62	108,650.87	157.02	18,287.24	7,324.11	9,873,993.89

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	79.27	1,026.36	436.75	0.01	1.97	1.94	1,310,250.40
Hearth	11,383.83	977.32	31,567.52	88.61	4,895.35	4,712.67	1,309,641.39
Landscaping - No Winter Emissions							
Consumer Products	3,838.12						
Architectural Coatings	216.33						
TOTALS (lbs/day, unmitigated)	15,517.55	2,003.68	32,004.27	88.62	4,897.32	4,714.61	2,619,891.79

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Single family housing	4,886.56	7,325.36	52,794.30	47.12	9,223.00	1,797.43	4,996,637.50
Apartments mid rise	218.89	323.81	2,333.75	2.08	407.70	79.45	220,873.87
Condo/townhouse general	1,835.91	2,732.26	19,691.54	17.57	3,440.05	670.42	1,863,675.95
Mobile home park	163.31	241.59	1,741.12	1.55	304.17	59.28	164,786.12
Retirement community	8.36	11.92	85.89	0.08	15.00	2.92	8,128.66
TOTALS (lbs/day, unmitigated)	7,113.03	10,634.94	76,646.60	68.40	13,389.92	2,609.50	7,254,102.10

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	15,357.00	9.90	dwelling units	46,071.00	456,102.88	5,336,403.64
Apartments mid rise	76.89	6.90	dwelling units	2,922.00	20,161.80	235,893.06
Condo/townhouse general	1,329.06	8.00	dwelling units	21,265.00	170,120.00	1,990,403.97
Mobile home park	363.33	6.90	dwelling units	2,180.00	15,042.00	175,991.40
Retirement community	40.00	3.71	dwelling units	200.00	742.00	8,681.40
					662,168.68	7,747,373.47

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. SG.urb924

Project Name: 112-23 OVOV Existing Special Generator 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	32.71	0.09	9.18	0.00	0.02	0.02	13.80

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	207.25	317.41	2,783.59	2.94	485.61	94.47	287,842.10

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	239.96	317.50	2,792.77	2.94	485.63	94.49	287,855.90

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth - No Summer Emissions							
Landscape	0.81	0.09	9.18	0.00	0.02	0.02	13.80
Consumer Products	0.00						
Architectural Coatings	31.90						
TOTALS (lbs/day, unmitigated)	32.71	0.09	9.18	0.00	0.02	0.02	13.80

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Wayside Honor Ranch	8.70	13.21	115.86	0.12	20.21	3.93	11,980.44
Six Flags Magic Mtn	137.97	211.38	1,853.71	1.96	323.39	62.92	191,687.07
Travel Village	22.59	34.61	303.55	0.32	52.96	10.30	31,388.76
Agua Dulce Airport	29.37	45.00	394.61	0.42	68.84	13.39	40,805.39
Landfill	8.62	13.21	115.86	0.12	20.21	3.93	11,980.44
TOTALS (lbs/day, unmitigated)	207.25	317.41	2,783.59	2.94	485.61	94.47	287,842.10

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Wayside Honor Ranch		50.00	acres	20.00	1,000.00	11,700.00
Six Flags Magic Mtn		100.00	acres	160.00	16,000.00	187,200.00
Travel Village		100.00	acres	26.20	2,620.00	30,654.00
Agua Dulce Airport		100.00	acres	34.06	3,406.00	39,850.20
Landfill		100.00	acres	10.00	1,000.00	11,700.00
					24,026.00	281,104.20

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Wayside Honor Ranch	2.0	1.0	97.0
Six Flags Magic Mtn	2.0	1.0	97.0
Travel Village	2.0	1.0	97.0
Agua Dulce Airport	2.0	1.0	97.0
Landfill	2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. SG.urb924

Project Name: 112-23 OVOV Existing Special Generator 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	31.90	0.00	0.00	0.00	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	241.93	382.73	2,658.32	2.45	485.61	94.47	260,547.63

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	273.83	382.73	2,658.32	2.45	485.61	94.47	260,547.63

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	31.90						
TOTALS (lbs/day, unmitigated)	31.90	0.00	0.00	0.00	0.00	0.00	0.00

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Wayside Honor Ranch	10.10	15.93	110.64	0.10	20.21	3.93	10,844.40
Six Flags Magic Mtn	161.09	254.87	1,770.30	1.63	323.39	62.92	173,510.45
Travel Village	26.38	41.74	289.89	0.27	52.96	10.30	28,412.34
Agua Dulce Airport	34.29	54.26	376.85	0.35	68.84	13.39	36,936.04
Landfill	10.07	15.93	110.64	0.10	20.21	3.93	10,844.40
TOTALS (lbs/day, unmitigated)	241.93	382.73	2,658.32	2.45	485.61	94.47	260,547.63

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Wayside Honor Ranch		50.00	acres	20.00	1,000.00	11,700.00
Six Flags Magic Mtn		100.00	acres	160.00	16,000.00	187,200.00
Travel Village		100.00	acres	26.20	2,620.00	30,654.00
Agua Dulce Airport		100.00	acres	34.06	3,406.00	39,850.20
Landfill		100.00	acres	10.00	1,000.00	11,700.00
					24,026.00	281,104.20

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Wayside Honor Ranch				2.0	1.0	97.0
Six Flags Magic Mtn				2.0	1.0	97.0
Travel Village				2.0	1.0	97.0
Agua Dulce Airport				2.0	1.0	97.0
Landfill				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Non-Res'l.urb924

Project Name: 112-23 OVOV Existing Non-Residential 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	30.04	35.83	41.03	0.00	0.09	0.09	42,882.11

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	711.71	1,042.05	9,152.84	9.68	1,593.80	310.09	945,027.74

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	741.75	1,077.88	9,193.87	9.68	1,593.89	310.18	987,909.85

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	2.59	35.72	30.01	0.00	0.06	0.06	42,865.55
Hearth - No Summer Emissions							
Landscape	0.97	0.11	11.02	0.00	0.03	0.03	16.56
Consumer Products	0.00						
Architectural Coatings	26.48						
TOTALS (lbs/day, unmitigated)	30.04	35.83	41.03	0.00	0.09	0.09	42,882.11

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Racquetball/health	43.76	66.08	580.76	0.61	101.06	19.66	59,930.65
High turnover (sit-down) rest.	184.89	283.29	2,489.65	2.63	433.24	84.29	256,915.67
Fast food rest. w/ drive thru	202.64	311.98	2,741.82	2.90	477.12	92.83	282,937.30
Hotel	75.84	106.05	932.03	0.99	162.19	31.56	96,179.71
Movie Theater	73.58	76.73	672.90	0.71	117.39	22.84	69,582.41
Car Dealership	131.00	197.92	1,735.68	1.84	302.80	58.91	179,482.00
TOTALS (lbs/day, unmitigated)	711.71	1,042.05	9,152.84	9.68	1,593.80	310.09	945,027.74

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Racquetball/health		40.00	1000 sq ft	125.00	5,000.00	58,500.00
High turnover (sit-down) rest.		130.34	1000 sq ft	164.45	21,434.41	250,782.62
Fast food rest. w/ drive thru		496.12	1000 sq ft	47.58	23,605.39	276,183.06
Hotel		8.23	rooms	975.00	8,024.25	93,883.72
Movie Theater		1.76	1000 sq ft	3,300.00	5,808.00	67,953.60
Car Dealership		37.50	1000 sq ft	399.50	14,981.25	175,280.62
					78,853.30	922,583.62

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Movie Theater				2.0	1.0	97.0
Car Dealership				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Non-Res'l.urb924

Project Name: 112-23 OVOV Existing Non-Residential 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	29.07	35.72	30.01	0.00	0.06	0.06	42,865.55

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	808.57	1,256.51	8,739.05	8.05	1,593.80	310.09	855,447.29

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	837.64	1,292.23	8,769.06	8.05	1,593.86	310.15	898,312.84

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	2.59	35.72	30.01	0.00	0.06	0.06	42,865.55
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	26.48						
TOTALS (lbs/day, unmitigated)	29.07	35.72	30.01	0.00	0.06	0.06	42,865.55

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Racquetball/health	50.66	79.68	554.46	0.51	101.06	19.66	54,250.46
High turnover (sit-down) rest.	215.98	341.59	2,376.91	2.19	433.24	84.29	232,565.34
Fast food rest. w/ drive thru	237.42	376.19	2,617.65	2.41	477.12	92.83	256,120.65
Hotel	83.83	127.88	889.83	0.82	162.19	31.56	87,063.84
Movie Theater	69.04	92.52	642.62	0.59	117.39	22.84	62,984.29
Car Dealership	151.64	238.65	1,657.58	1.53	302.80	58.91	162,462.71
TOTALS (lbs/day, unmitigated)	808.57	1,256.51	8,739.05	8.05	1,593.80	310.09	855,447.29

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Racquetball/health		40.00	1000 sq ft	125.00	5,000.00	58,500.00
High turnover (sit-down) rest.		130.34	1000 sq ft	164.45	21,434.41	250,782.62
Fast food rest. w/ drive thru		496.12	1000 sq ft	47.58	23,605.39	276,183.06
Hotel		8.23	rooms	975.00	8,024.25	93,883.72
Movie Theater		1.76	1000 sq ft	3,300.00	5,808.00	67,953.60
Car Dealership		37.50	1000 sq ft	399.50	14,981.25	175,280.62
					78,853.30	922,583.62

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Movie Theater				2.0	1.0	97.0
Car Dealership				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Office.urb924

Project Name: 112-23 OVOV Existing Office 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	14.35	14.50	19.45	0.00	0.05	0.05	17,310.40

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	110.27	146.09	1,281.73	1.36	223.48	43.47	132,478.58

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	124.62	160.59	1,301.18	1.36	223.53	43.52	149,788.98

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	1.05	14.42	12.11	0.00	0.03	0.03	17,299.36
Hearth - No Summer Emissions							
Landscape	0.64	0.08	7.34	0.00	0.02	0.02	11.04
Consumer Products	0.00						
Architectural Coatings	12.66						
TOTALS (lbs/day, unmitigated)	14.35	14.50	19.45	0.00	0.05	0.05	17,310.40

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Medical office building	13.46	19.24	169.29	0.18	29.41	5.72	17,445.13
Regional Post Office	21.09	24.02	210.67	0.22	36.75	7.15	21,784.28
Post Office	14.98	22.59	198.12	0.21	34.56	6.72	20,486.56
Commercial Office	60.74	80.24	703.65	0.75	122.76	23.88	72,762.61
TOTALS (lbs/day, unmitigated)	110.27	146.09	1,281.73	1.36	223.48	43.47	132,478.58

Operational Settings:

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Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Medical office building		10.88	1000 sq ft	133.73	1,454.98	17,023.29
Regional Post Office		2.38	1000 sq ft	764.00	1,818.32	21,274.34
Post Office		34.20	1000 sq ft	50.00	1,710.00	20,007.00
Commercial Office		5.00	1000 sq ft	1,214.69	6,073.45	71,059.36
					11,056.75	129,363.99

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Medical office building	7.0	3.5	89.5
Regional Post Office	2.0	1.0	97.0
Post Office	2.0	1.0	97.0
Commercial Office	2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Office.urb924

Project Name: 112-23 OVOV Existing Office 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	13.71	14.42	12.11	0.00	0.03	0.03	17,299.36

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	118.05	176.15	1,223.97	1.13	223.48	43.47	119,917.68

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	131.76	190.57	1,236.08	1.13	223.51	43.50	137,217.04

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	1.05	14.42	12.11	0.00	0.03	0.03	17,299.36
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	12.66						
TOTALS (lbs/day, unmitigated)	13.71	14.42	12.11	0.00	0.03	0.03	17,299.36

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Medical office building	15.08	23.19	161.59	0.15	29.41	5.72	15,792.21
Regional Post Office	20.74	28.97	201.19	0.19	36.75	7.15	19,718.60
Post Office	17.32	27.24	189.20	0.17	34.56	6.72	18,543.93
Commercial Office	64.91	96.75	671.99	0.62	122.76	23.88	65,862.94
TOTALS (lbs/day, unmitigated)	118.05	176.15	1,223.97	1.13	223.48	43.47	119,917.68

Operational Settings:

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Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Medical office building		10.88	1000 sq ft	133.73	1,454.98	17,023.29
Regional Post Office		2.38	1000 sq ft	764.00	1,818.32	21,274.34
Post Office		34.20	1000 sq ft	50.00	1,710.00	20,007.00
Commercial Office		5.00	1000 sq ft	1,214.69	6,073.45	71,059.36
					11,056.75	129,363.99

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Medical office building				7.0	3.5	89.5
Regional Post Office				2.0	1.0	97.0
Post Office				2.0	1.0	97.0
Commercial Office				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Recreation.urb924

Project Name: 112-23 OVOV Existing Recreation 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	225.08	0.06	5.51	0.00	0.01	0.01	8.28

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	612.98	927.34	8,132.48	8.61	1,418.76	276.02	840,957.13

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	838.06	927.40	8,137.99	8.61	1,418.77	276.03	840,965.41

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth - No Summer Emissions							
Landscape	0.48	0.06	5.51	0.00	0.01	0.01	8.28
Consumer Products	0.00						
Architectural Coatings	224.60						
TOTALS (lbs/day, unmitigated)	225.08	0.06	5.51	0.00	0.01	0.01	8.28

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Golf Course	566.87	869.02	7,621.02	8.07	1,329.53	258.66	788,067.75
Developed Park	19.87	27.75	243.37	0.26	42.46	8.26	25,166.64
Undeveloped Park	26.24	30.57	268.09	0.28	46.77	9.10	27,722.74
TOTALS (lbs/day, unmitigated)	612.98	927.34	8,132.48	8.61	1,418.76	276.02	840,957.13

Operational Settings:

Does not include correction for passby trips

4/21/2009 1:36:46 PM

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

<u>Summary of Land Uses</u>						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Golf Course		108.19	acres	608.00	65,779.52	769,620.39
Developed Park		7.96	acres	263.90	2,100.64	24,577.53
Undeveloped Park		2.60	acres	890.00	2,314.00	27,073.80
					70,194.16	821,271.72

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Golf Course				2.0	1.0	97.0
Developed Park				2.0	1.0	97.0
Undeveloped Park				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Recreation.urb924

Project Name: 112-23 OVOV Existing Recreation 2004 Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	224.60	0.00	0.00	0.00	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	710.17	1,118.17	7,766.55	7.16	1,418.76	276.02	761,213.82

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	934.77	1,118.17	7,766.55	7.16	1,418.76	276.02	761,213.82

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	224.60						
TOTALS (lbs/day, unmitigated)	224.60	0.00	0.00	0.00	0.00	0.00	0.00

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Golf Course	662.11	1,047.85	7,278.10	6.71	1,329.53	258.66	713,339.64
Developed Park	21.94	33.46	232.42	0.21	42.46	8.26	22,780.23
Undeveloped Park	26.12	36.86	256.03	0.24	46.77	9.10	25,093.95
TOTALS (lbs/day, unmitigated)	710.17	1,118.17	7,766.55	7.16	1,418.76	276.02	761,213.82

Operational Settings:

Does not include correction for passby trips

4/21/2009 1:37:11 PM

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Golf Course		108.19	acres	608.00	65,779.52	769,620.39
Developed Park		7.96	acres	263.90	2,100.64	24,577.53
Undeveloped Park		2.60	acres	890.00	2,314.00	27,073.80
					70,194.16	821,271.72

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Golf Course				2.0	1.0	97.0
Developed Park				2.0	1.0	97.0
Undeveloped Park				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Ind'I.urb924

Project Name: 112-23 Existing 2004 Industrial Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	113.25	12.46	10.47	0.00	0.02	0.02	14,950.01

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,292.36	1,926.78	13,659.25	12.36	2,433.01	473.85	1,312,918.34

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,405.61	1,939.24	13,669.72	12.36	2,433.03	473.87	1,327,868.35

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.90	12.46	10.47	0.00	0.02	0.02	14,950.01
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	112.35						
TOTALS (lbs/day, unmitigated)	113.25	12.46	10.47	0.00	0.02	0.02	14,950.01

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Industrial park	1,017.42	1,511.00	10,742.50	9.70	1,906.69	371.39	1,029,740.52
Manufacturing	103.08	151.40	1,080.42	0.97	190.87	37.19	103,195.13
Business Park	76.44	117.59	816.74	0.75	149.20	29.03	80,050.56
Utilities	95.42	146.79	1,019.59	0.94	186.25	36.24	99,932.13
TOTALS (lbs/day, unmitigated)	1,292.36	1,926.78	13,659.25	12.36	2,433.01	473.85	1,312,918.34

Operational Settings:

4/20/2009 6:45:00 PM

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Industrial park		6.00	1000 sq ft	15,717.43	94,304.58	1,103,363.55
Manufacturing		5.10	1000 sq ft	1,850.99	9,440.05	110,448.57
Business Park		10.20	1000 sq ft	723.70	7,381.74	86,366.36
Utilities		10.20	1000 sq ft	903.44	9,215.09	107,816.53
					120,341.46	1,407,995.01

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Industrial park				41.5	20.8	37.8
Manufacturing				48.0	24.0	28.0
Business Park				2.0	1.0	97.0
Utilities				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. Ind'I.urb924

Project Name: 112-23 Existing 2004 Industrial Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	113.89	12.54	17.81	0.00	0.04	0.04	14,961.05

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,194.99	1,597.47	14,351.69	14.87	2,433.01	473.85	1,449,630.94

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,308.88	1,610.01	14,369.50	14.87	2,433.05	473.89	1,464,591.99

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.90	12.46	10.47	0.00	0.02	0.02	14,950.01
Hearth - No Summer Emissions							
Landscape	0.64	0.08	7.34	0.00	0.02	0.02	11.04
Consumer Products	0.00						
Architectural Coatings	112.35						
TOTALS (lbs/day, unmitigated)	113.89	12.54	17.81	0.00	0.04	0.04	14,961.05

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Industrial park	944.35	1,252.70	11,292.40	11.66	1,906.69	371.39	1,136,874.20
Manufacturing	96.94	125.51	1,136.43	1.17	190.87	37.19	113,919.40
Business Park	68.36	97.52	855.23	0.91	149.20	29.03	88,436.51
Utilities	85.34	121.74	1,067.63	1.13	186.25	36.24	110,400.83
TOTALS (lbs/day, unmitigated)	1,194.99	1,597.47	14,351.69	14.87	2,433.01	473.85	1,449,630.94

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Industrial park		6.00	1000 sq ft	15,717.43	94,304.58	1,103,363.55
Manufacturing		5.10	1000 sq ft	1,850.99	9,440.05	110,448.57
Business Park		10.20	1000 sq ft	723.70	7,381.74	86,366.36
Utilities		10.20	1000 sq ft	903.44	9,215.09	107,816.53
					120,341.46	1,407,995.01

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Industrial park				41.5	20.8	37.8
Manufacturing				48.0	24.0	28.0
Business Park				2.0	1.0	97.0
Utilities				2.0	1.0	97.0

**Construction Air Emissions
for Existing General Plan and Area Plan**

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Comm'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Commercial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	137.74	634.00	1,125.32	1.28	5,640.28	29.81	5,670.10	1,178.73	27.20	1,205.93
2010 TOTALS (lbs/day mitigated)	137.74	634.00	1,125.32	1.28	1,005.16	29.81	1,034.97	210.73	27.20	237.93
2011 TOTALS (lbs/day unmitigated)	131.44	587.90	1,051.02	1.28	5,640.28	27.52	5,667.80	1,178.73	25.09	1,203.82
2011 TOTALS (lbs/day mitigated)	131.44	587.90	1,051.02	1.28	1,005.16	27.52	1,032.68	210.73	25.09	235.82
2012 TOTALS (lbs/day unmitigated)	125.79	543.25	981.68	1.28	5,640.28	25.38	5,665.66	1,178.73	23.11	1,201.84
2012 TOTALS (lbs/day mitigated)	125.79	543.25	981.68	1.28	1,005.16	25.38	1,030.53	210.73	23.11	233.84
2013 TOTALS (lbs/day unmitigated)	120.98	500.94	916.12	1.28	5,640.28	23.44	5,663.72	1,178.73	21.31	1,200.04
2013 TOTALS (lbs/day mitigated)	120.98	500.94	916.12	1.28	1,005.16	23.44	1,028.60	210.73	21.31	232.04
2014 TOTALS (lbs/day unmitigated)	115.94	458.55	857.51	1.28	5,640.28	21.60	5,661.88	1,178.73	19.62	1,198.34
2014 TOTALS (lbs/day mitigated)	115.94	458.55	857.51	1.28	1,005.16	21.60	1,026.75	210.73	19.62	230.35
2015 TOTALS (lbs/day unmitigated)	110.95	416.73	802.48	1.28	5,640.28	19.93	5,660.21	1,178.73	18.09	1,196.81
2015 TOTALS (lbs/day mitigated)	110.95	416.73	802.48	1.28	1,005.16	19.93	1,025.09	210.73	18.09	228.81
2016 TOTALS (lbs/day unmitigated)	106.61	379.77	754.35	1.28	5,640.28	18.36	5,658.64	1,178.73	16.64	1,195.36
2016 TOTALS (lbs/day mitigated)	106.61	379.77	754.35	1.28	1,005.16	18.36	1,023.51	210.73	16.64	227.36
2017 TOTALS (lbs/day unmitigated)	102.78	345.86	708.60	1.28	5,640.28	16.82	5,657.11	1,178.73	15.23	1,193.95
2017 TOTALS (lbs/day mitigated)	102.78	345.86	708.60	1.28	1,005.16	16.82	1,021.98	210.73	15.23	225.95
2018 TOTALS (lbs/day unmitigated)	98.85	314.91	666.99	1.28	5,640.28	15.42	5,655.71	1,178.73	13.93	1,192.66
2018 TOTALS (lbs/day mitigated)	98.85	314.91	666.99	1.28	1,005.16	15.42	1,020.58	210.73	13.93	224.66
2019 TOTALS (lbs/day unmitigated)	95.66	287.13	628.30	1.28	5,640.28	14.07	5,654.36	1,178.73	12.69	1,191.42
2019 TOTALS (lbs/day mitigated)	95.66	287.13	628.30	1.28	1,005.16	14.07	1,019.23	210.73	12.69	223.42

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Comm'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Commercial

2020 TOTALS (lbs/day unmitigated)	92.30	262.08	592.44	1.28	5,640.28	12.99	5,653.27	1,178.73	11.69	1,190.41
2020 TOTALS (lbs/day mitigated)	92.30	262.08	592.44	1.28	1,005.16	12.99	1,018.14	210.73	11.69	222.41
2021 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2021 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2022 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2022 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2023 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2023 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2024 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2024 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2025 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2025 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2026 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2026 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2027 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2027 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2028 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2028 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2029 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2029 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2030 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2030 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Comm'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Commercial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	137.74	634.00	1,125.32	1.28	5,640.28	29.81	5,670.10	1,178.73	27.20	1,205.93
2010 TOTALS (lbs/day mitigated)	137.74	634.00	1,125.32	1.28	1,005.16	29.81	1,034.97	210.73	27.20	237.93
2011 TOTALS (lbs/day unmitigated)	131.44	587.90	1,051.02	1.28	5,640.28	27.52	5,667.80	1,178.73	25.09	1,203.82
2011 TOTALS (lbs/day mitigated)	131.44	587.90	1,051.02	1.28	1,005.16	27.52	1,032.68	210.73	25.09	235.82
2012 TOTALS (lbs/day unmitigated)	125.79	543.25	981.68	1.28	5,640.28	25.38	5,665.66	1,178.73	23.11	1,201.84
2012 TOTALS (lbs/day mitigated)	125.79	543.25	981.68	1.28	1,005.16	25.38	1,030.53	210.73	23.11	233.84
2013 TOTALS (lbs/day unmitigated)	120.98	500.94	916.12	1.28	5,640.28	23.44	5,663.72	1,178.73	21.31	1,200.04
2013 TOTALS (lbs/day mitigated)	120.98	500.94	916.12	1.28	1,005.16	23.44	1,028.60	210.73	21.31	232.04
2014 TOTALS (lbs/day unmitigated)	115.94	458.55	857.51	1.28	5,640.28	21.60	5,661.88	1,178.73	19.62	1,198.34
2014 TOTALS (lbs/day mitigated)	115.94	458.55	857.51	1.28	1,005.16	21.60	1,026.75	210.73	19.62	230.35
2015 TOTALS (lbs/day unmitigated)	110.95	416.73	802.48	1.28	5,640.28	19.93	5,660.21	1,178.73	18.09	1,196.81
2015 TOTALS (lbs/day mitigated)	110.95	416.73	802.48	1.28	1,005.16	19.93	1,025.09	210.73	18.09	228.81
2016 TOTALS (lbs/day unmitigated)	106.61	379.77	754.35	1.28	5,640.28	18.36	5,658.64	1,178.73	16.64	1,195.36
2016 TOTALS (lbs/day mitigated)	106.61	379.77	754.35	1.28	1,005.16	18.36	1,023.51	210.73	16.64	227.36
2017 TOTALS (lbs/day unmitigated)	102.78	345.86	708.60	1.28	5,640.28	16.82	5,657.11	1,178.73	15.23	1,193.95
2017 TOTALS (lbs/day mitigated)	102.78	345.86	708.60	1.28	1,005.16	16.82	1,021.98	210.73	15.23	225.95
2018 TOTALS (lbs/day unmitigated)	98.85	314.91	666.99	1.28	5,640.28	15.42	5,655.71	1,178.73	13.93	1,192.66
2018 TOTALS (lbs/day mitigated)	98.85	314.91	666.99	1.28	1,005.16	15.42	1,020.58	210.73	13.93	224.66
2019 TOTALS (lbs/day unmitigated)	95.66	287.13	628.30	1.28	5,640.28	14.07	5,654.36	1,178.73	12.69	1,191.42
2019 TOTALS (lbs/day mitigated)	95.66	287.13	628.30	1.28	1,005.16	14.07	1,019.23	210.73	12.69	223.42

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Comm'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Commercial

2020 TOTALS (lbs/day unmitigated)	92.30	262.08	592.44	1.28	5,640.28	12.99	5,653.27	1,178.73	11.69	1,190.41
2020 TOTALS (lbs/day mitigated)	92.30	262.08	592.44	1.28	1,005.16	12.99	1,018.14	210.73	11.69	222.41
2021 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2021 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2022 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2022 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2023 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2023 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2024 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2024 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2025 TOTALS (lbs/day unmitigated)	87.22	239.28	468.97	1.28	5,640.28	12.38	5,652.67	1,178.73	11.14	1,189.86
2025 TOTALS (lbs/day mitigated)	87.22	239.28	468.97	1.28	1,005.16	12.38	1,017.54	210.73	11.14	221.86
2026 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2026 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2027 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2027 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2028 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2028 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2029 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2029 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67
2030 TOTALS (lbs/day unmitigated)	84.43	229.71	402.11	1.28	5,640.28	12.17	5,652.45	1,178.73	10.94	1,189.67
2030 TOTALS (lbs/day mitigated)	84.43	229.71	402.11	1.28	1,005.16	12.17	1,017.33	210.73	10.94	221.67

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Ind'l.urb924

Project Name: 112-23 Construction Emissions Industrial Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	537.94	3,917.09	5,027.69	8.63	14,614.03	167.27	14,781.30	3,056.70	153.00	3,209.69
2010 TOTALS (lbs/day mitigated)	537.94	3,917.09	5,027.69	8.63	2,620.68	167.27	2,787.95	552.01	153.00	705.00
2011 TOTALS (lbs/day unmitigated)	505.89	3,549.41	4,669.75	8.63	14,614.03	150.54	14,764.57	3,056.70	137.58	3,194.28
2011 TOTALS (lbs/day mitigated)	505.89	3,549.41	4,669.75	8.63	2,620.68	150.54	2,771.22	552.01	137.58	689.59
2012 TOTALS (lbs/day unmitigated)	475.11	3,190.40	4,330.51	8.63	14,614.03	134.82	14,748.84	3,056.70	123.09	3,179.79
2012 TOTALS (lbs/day mitigated)	475.11	3,190.40	4,330.51	8.63	2,620.68	134.82	2,755.50	552.01	123.09	675.10
2013 TOTALS (lbs/day unmitigated)	445.99	2,845.70	4,005.47	8.63	14,614.03	119.90	14,733.93	3,056.70	109.31	3,166.00
2013 TOTALS (lbs/day mitigated)	445.99	2,845.70	4,005.47	8.63	2,620.68	119.90	2,740.58	552.01	109.31	661.31
2014 TOTALS (lbs/day unmitigated)	417.81	2,521.74	3,710.03	8.63	14,614.03	106.92	14,720.95	3,056.70	97.38	3,154.07
2014 TOTALS (lbs/day mitigated)	417.81	2,521.74	3,710.03	8.63	2,620.68	106.92	2,727.60	552.01	97.38	649.38
2015 TOTALS (lbs/day unmitigated)	391.25	2,226.45	3,435.48	8.63	14,614.03	94.91	14,708.93	3,056.70	86.31	3,143.00
2015 TOTALS (lbs/day mitigated)	391.25	2,226.45	3,435.48	8.63	2,620.68	94.91	2,715.59	552.01	86.31	638.31
2016 TOTALS (lbs/day unmitigated)	369.17	1,981.58	3,199.15	8.63	14,614.03	85.25	14,699.28	3,056.70	77.42	3,134.11
2016 TOTALS (lbs/day mitigated)	369.17	1,981.58	3,199.15	8.63	2,620.68	85.25	2,705.93	552.01	77.42	629.42
2017 TOTALS (lbs/day unmitigated)	349.92	1,774.03	2,981.79	8.63	14,614.03	76.77	14,690.79	3,056.70	69.61	3,126.31
2017 TOTALS (lbs/day mitigated)	349.92	1,774.03	2,981.79	8.63	2,620.68	76.77	2,697.45	552.01	69.61	621.62
2018 TOTALS (lbs/day unmitigated)	332.37	1,596.95	2,785.06	8.63	14,614.03	69.76	14,683.79	3,056.70	63.15	3,119.84
2018 TOTALS (lbs/day mitigated)	332.37	1,596.95	2,785.06	8.63	2,620.68	69.76	2,690.45	552.01	63.15	615.15
2019 TOTALS (lbs/day unmitigated)	317.42	1,445.38	2,605.37	8.63	14,614.03	63.60	14,677.63	3,056.70	57.48	3,114.18
2019 TOTALS (lbs/day mitigated)	317.42	1,445.38	2,605.37	8.63	2,620.68	63.60	2,684.28	552.01	57.48	609.49

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Ind'l.urb924

Project Name: 112-23 Construction Emissions Industrial Existing General Plan

2020 TOTALS (lbs/day unmitigated)	303.47	1,316.00	2,440.46	8.63	14,614.03	58.61	14,672.64	3,056.70	52.89	3,109.58
2020 TOTALS (lbs/day mitigated)	303.47	1,316.00	2,440.46	8.63	2,620.68	58.61	2,679.29	552.01	52.89	604.89
2021 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2021 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2022 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2022 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2023 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2023 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2024 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2024 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2025 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2025 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2026 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2026 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2027 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2027 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2028 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2028 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2029 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2029 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2030 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2030 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Ind'l.urb924

Project Name: 112-23 Construction Emissions Industrial Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	537.94	3,917.09	5,027.69	8.63	14,614.03	167.27	14,781.30	3,056.70	153.00	3,209.69
2010 TOTALS (lbs/day mitigated)	537.94	3,917.09	5,027.69	8.63	2,620.68	167.27	2,787.95	552.01	153.00	705.00
2011 TOTALS (lbs/day unmitigated)	505.89	3,549.41	4,669.75	8.63	14,614.03	150.54	14,764.57	3,056.70	137.58	3,194.28
2011 TOTALS (lbs/day mitigated)	505.89	3,549.41	4,669.75	8.63	2,620.68	150.54	2,771.22	552.01	137.58	689.59
2012 TOTALS (lbs/day unmitigated)	475.11	3,190.40	4,330.51	8.63	14,614.03	134.82	14,748.84	3,056.70	123.09	3,179.79
2012 TOTALS (lbs/day mitigated)	475.11	3,190.40	4,330.51	8.63	2,620.68	134.82	2,755.50	552.01	123.09	675.10
2013 TOTALS (lbs/day unmitigated)	445.99	2,845.70	4,005.47	8.63	14,614.03	119.90	14,733.93	3,056.70	109.31	3,166.00
2013 TOTALS (lbs/day mitigated)	445.99	2,845.70	4,005.47	8.63	2,620.68	119.90	2,740.58	552.01	109.31	661.31
2014 TOTALS (lbs/day unmitigated)	417.81	2,521.74	3,710.03	8.63	14,614.03	106.92	14,720.95	3,056.70	97.38	3,154.07
2014 TOTALS (lbs/day mitigated)	417.81	2,521.74	3,710.03	8.63	2,620.68	106.92	2,727.60	552.01	97.38	649.38
2015 TOTALS (lbs/day unmitigated)	391.25	2,226.45	3,435.48	8.63	14,614.03	94.91	14,708.93	3,056.70	86.31	3,143.00
2015 TOTALS (lbs/day mitigated)	391.25	2,226.45	3,435.48	8.63	2,620.68	94.91	2,715.59	552.01	86.31	638.31
2016 TOTALS (lbs/day unmitigated)	369.17	1,981.58	3,199.15	8.63	14,614.03	85.25	14,699.28	3,056.70	77.42	3,134.11
2016 TOTALS (lbs/day mitigated)	369.17	1,981.58	3,199.15	8.63	2,620.68	85.25	2,705.93	552.01	77.42	629.42
2017 TOTALS (lbs/day unmitigated)	349.92	1,774.03	2,981.79	8.63	14,614.03	76.77	14,690.79	3,056.70	69.61	3,126.31
2017 TOTALS (lbs/day mitigated)	349.92	1,774.03	2,981.79	8.63	2,620.68	76.77	2,697.45	552.01	69.61	621.62
2018 TOTALS (lbs/day unmitigated)	332.37	1,596.95	2,785.06	8.63	14,614.03	69.76	14,683.79	3,056.70	63.15	3,119.84
2018 TOTALS (lbs/day mitigated)	332.37	1,596.95	2,785.06	8.63	2,620.68	69.76	2,690.45	552.01	63.15	615.15
2019 TOTALS (lbs/day unmitigated)	317.42	1,445.38	2,605.37	8.63	14,614.03	63.60	14,677.63	3,056.70	57.48	3,114.18
2019 TOTALS (lbs/day mitigated)	317.42	1,445.38	2,605.37	8.63	2,620.68	63.60	2,684.28	552.01	57.48	609.49

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Ind'l.urb924

Project Name: 112-23 Construction Emissions Industrial Existing General Plan

2020 TOTALS (lbs/day unmitigated)	303.47	1,316.00	2,440.46	8.63	14,614.03	58.61	14,672.64	3,056.70	52.89	3,109.58
2020 TOTALS (lbs/day mitigated)	303.47	1,316.00	2,440.46	8.63	2,620.68	58.61	2,679.29	552.01	52.89	604.89
2021 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2021 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2022 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2022 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2023 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2023 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2024 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2024 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2025 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85
2025 TOTALS (lbs/day mitigated)	264.02	982.18	1,851.59	8.62	2,620.68	46.94	2,667.62	552.01	42.16	594.16
2026 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2026 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2027 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2027 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2028 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2028 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2029 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2029 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43
2030 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12
2030 TOTALS (lbs/day mitigated)	245.58	858.78	1,545.33	8.62	2,620.68	42.86	2,663.54	552.01	38.42	590.43

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Instit'l.urb924

Project Name: 112-23 Construction Emissions Institutional Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	68.47	375.17	481.47	0.45	1,983.55	19.23	2,002.78	414.53	17.61	432.15
2010 TOTALS (lbs/day mitigated)	68.47	375.17	481.47	0.45	353.51	19.23	372.74	74.12	17.61	91.73
2011 TOTALS (lbs/day unmitigated)	64.99	349.66	452.01	0.45	1,983.55	17.84	2,001.40	414.53	16.34	430.87
2011 TOTALS (lbs/day mitigated)	64.99	349.66	452.01	0.45	353.51	17.84	371.36	74.12	16.34	90.45
2012 TOTALS (lbs/day unmitigated)	61.87	324.95	424.69	0.45	1,983.55	16.41	1,999.96	414.53	15.01	429.54
2012 TOTALS (lbs/day mitigated)	61.87	324.95	424.69	0.45	353.51	16.41	369.92	74.12	15.01	89.13
2013 TOTALS (lbs/day unmitigated)	59.26	301.60	398.87	0.45	1,983.55	15.12	1,998.67	414.53	13.82	428.35
2013 TOTALS (lbs/day mitigated)	59.26	301.60	398.87	0.45	353.51	15.12	368.63	74.12	13.82	87.94
2014 TOTALS (lbs/day unmitigated)	56.46	277.98	375.94	0.45	1,983.55	13.79	1,997.34	414.53	12.59	427.13
2014 TOTALS (lbs/day mitigated)	56.46	277.98	375.94	0.45	353.51	13.79	367.30	74.12	12.59	86.71
2015 TOTALS (lbs/day unmitigated)	53.65	253.69	354.33	0.45	1,983.55	12.71	1,996.26	414.53	11.60	426.13
2015 TOTALS (lbs/day mitigated)	53.65	253.69	354.33	0.45	353.51	12.71	366.22	74.12	11.60	85.72
2016 TOTALS (lbs/day unmitigated)	51.17	231.87	335.56	0.45	1,983.55	11.54	1,995.10	414.53	10.53	425.06
2016 TOTALS (lbs/day mitigated)	51.17	231.87	335.56	0.45	353.51	11.54	365.05	74.12	10.53	84.65
2017 TOTALS (lbs/day unmitigated)	48.96	211.62	317.71	0.45	1,983.55	10.49	1,994.05	414.53	9.57	424.10
2017 TOTALS (lbs/day mitigated)	48.96	211.62	317.71	0.45	353.51	10.49	364.01	74.12	9.57	83.68
2018 TOTALS (lbs/day unmitigated)	46.65	192.90	301.63	0.45	1,983.55	9.50	1,993.06	414.53	8.65	423.18
2018 TOTALS (lbs/day mitigated)	46.65	192.90	301.63	0.45	353.51	9.50	363.01	74.12	8.65	82.77
2019 TOTALS (lbs/day unmitigated)	44.79	176.01	286.65	0.45	1,983.55	8.53	1,992.08	414.53	7.75	422.29
2019 TOTALS (lbs/day mitigated)	44.79	176.01	286.65	0.45	353.51	8.53	362.04	74.12	7.75	81.87

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Instit'l.urb924

Project Name: 112-23 Construction Emissions Institutional Existing General Plan

2020 TOTALS (lbs/day unmitigated)	42.84	160.73	272.95	0.45	1,983.55	7.80	1,991.36	414.53	7.09	421.62
2020 TOTALS (lbs/day mitigated)	42.84	160.73	272.95	0.45	353.51	7.80	361.31	74.12	7.09	81.20
2021 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2021 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2022 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2022 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2023 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2023 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2024 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2024 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2025 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2025 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2026 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2026 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2027 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2027 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2028 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2028 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2029 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2029 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2030 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2030 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Instit'l.urb924

Project Name: 112-23 Construction Emissions Institutional Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	68.47	375.17	481.47	0.45	1,983.55	19.23	2,002.78	414.53	17.61	432.15
2010 TOTALS (lbs/day mitigated)	68.47	375.17	481.47	0.45	353.51	19.23	372.74	74.12	17.61	91.73
2011 TOTALS (lbs/day unmitigated)	64.99	349.66	452.01	0.45	1,983.55	17.84	2,001.40	414.53	16.34	430.87
2011 TOTALS (lbs/day mitigated)	64.99	349.66	452.01	0.45	353.51	17.84	371.36	74.12	16.34	90.45
2012 TOTALS (lbs/day unmitigated)	61.87	324.95	424.69	0.45	1,983.55	16.41	1,999.96	414.53	15.01	429.54
2012 TOTALS (lbs/day mitigated)	61.87	324.95	424.69	0.45	353.51	16.41	369.92	74.12	15.01	89.13
2013 TOTALS (lbs/day unmitigated)	59.26	301.60	398.87	0.45	1,983.55	15.12	1,998.67	414.53	13.82	428.35
2013 TOTALS (lbs/day mitigated)	59.26	301.60	398.87	0.45	353.51	15.12	368.63	74.12	13.82	87.94
2014 TOTALS (lbs/day unmitigated)	56.46	277.98	375.94	0.45	1,983.55	13.79	1,997.34	414.53	12.59	427.13
2014 TOTALS (lbs/day mitigated)	56.46	277.98	375.94	0.45	353.51	13.79	367.30	74.12	12.59	86.71
2015 TOTALS (lbs/day unmitigated)	53.65	253.69	354.33	0.45	1,983.55	12.71	1,996.26	414.53	11.60	426.13
2015 TOTALS (lbs/day mitigated)	53.65	253.69	354.33	0.45	353.51	12.71	366.22	74.12	11.60	85.72
2016 TOTALS (lbs/day unmitigated)	51.17	231.87	335.56	0.45	1,983.55	11.54	1,995.10	414.53	10.53	425.06
2016 TOTALS (lbs/day mitigated)	51.17	231.87	335.56	0.45	353.51	11.54	365.05	74.12	10.53	84.65
2017 TOTALS (lbs/day unmitigated)	48.96	211.62	317.71	0.45	1,983.55	10.49	1,994.05	414.53	9.57	424.10
2017 TOTALS (lbs/day mitigated)	48.96	211.62	317.71	0.45	353.51	10.49	364.01	74.12	9.57	83.68
2018 TOTALS (lbs/day unmitigated)	46.65	192.90	301.63	0.45	1,983.55	9.50	1,993.06	414.53	8.65	423.18
2018 TOTALS (lbs/day mitigated)	46.65	192.90	301.63	0.45	353.51	9.50	363.01	74.12	8.65	82.77
2019 TOTALS (lbs/day unmitigated)	44.79	176.01	286.65	0.45	1,983.55	8.53	1,992.08	414.53	7.75	422.29
2019 TOTALS (lbs/day mitigated)	44.79	176.01	286.65	0.45	353.51	8.53	362.04	74.12	7.75	81.87
2020 TOTALS (lbs/day unmitigated)	42.84	160.73	272.95	0.45	1,983.55	7.80	1,991.36	414.53	7.09	421.62

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Instit'l.urb924

Project Name: 112-23 Construction Emissions Institutional Existing General Plan

2020 TOTALS (lbs/day mitigated)	42.84	160.73	272.95	0.45	353.51	7.80	361.31	74.12	7.09	81.20
2021 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2021 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2022 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2022 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2023 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2023 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2024 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2024 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2025 TOTALS (lbs/day unmitigated)	41.03	152.68	228.90	0.45	1,983.55	7.59	1,991.14	414.53	6.89	421.42
2025 TOTALS (lbs/day mitigated)	41.03	152.68	228.90	0.45	353.51	7.59	361.10	74.12	6.89	81.01
2026 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2026 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2027 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2027 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2028 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2028 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2029 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2029 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94
2030 TOTALS (lbs/day unmitigated)	40.03	149.29	205.04	0.45	1,983.55	7.52	1,991.07	414.53	6.82	421.36
2030 TOTALS (lbs/day mitigated)	40.03	149.29	205.04	0.45	353.51	7.52	361.03	74.12	6.82	80.94

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Non-Res'l.urb924

Project Name: 112-23 Construction Emissions Non Residential Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	24.06	152.61	124.23	0.06	245.07	9.01	254.08	51.22	8.28	59.50
2010 TOTALS (lbs/day mitigated)	24.06	152.61	124.23	0.06	43.70	9.01	52.71	9.17	8.28	17.44
2011 TOTALS (lbs/day unmitigated)	22.64	143.18	118.48	0.06	245.07	8.50	253.57	51.22	7.80	59.03
2011 TOTALS (lbs/day mitigated)	22.64	143.18	118.48	0.06	43.70	8.50	52.20	9.17	7.80	16.97
2012 TOTALS (lbs/day unmitigated)	21.37	134.10	113.26	0.06	245.07	7.78	252.86	51.22	7.15	58.37
2012 TOTALS (lbs/day mitigated)	21.37	134.10	113.26	0.06	43.70	7.78	51.49	9.17	7.15	16.32
2013 TOTALS (lbs/day unmitigated)	20.18	125.48	108.32	0.06	245.07	7.13	252.20	51.22	6.54	57.77
2013 TOTALS (lbs/day mitigated)	20.18	125.48	108.32	0.06	43.70	7.13	50.83	9.17	6.54	15.71
2014 TOTALS (lbs/day unmitigated)	18.99	116.71	103.87	0.06	245.07	6.42	251.50	51.22	5.90	57.12
2014 TOTALS (lbs/day mitigated)	18.99	116.71	103.87	0.06	43.70	6.42	50.13	9.17	5.90	15.06
2015 TOTALS (lbs/day unmitigated)	17.79	107.26	99.68	0.06	245.07	5.91	250.98	51.22	5.43	56.65
2015 TOTALS (lbs/day mitigated)	17.79	107.26	99.68	0.06	43.70	5.91	49.61	9.17	5.43	14.59
2016 TOTALS (lbs/day unmitigated)	16.72	98.61	96.03	0.06	245.07	5.36	250.43	51.22	4.92	56.14
2016 TOTALS (lbs/day mitigated)	16.72	98.61	96.03	0.06	43.70	5.36	49.06	9.17	4.92	14.09
2017 TOTALS (lbs/day unmitigated)	15.82	90.55	92.59	0.06	245.07	4.83	249.91	51.22	4.43	55.65
2017 TOTALS (lbs/day mitigated)	15.82	90.55	92.59	0.06	43.70	4.83	48.54	9.17	4.43	13.60
2018 TOTALS (lbs/day unmitigated)	14.80	83.05	89.49	0.06	245.07	4.33	249.40	51.22	3.97	55.19
2018 TOTALS (lbs/day mitigated)	14.80	83.05	89.49	0.06	43.70	4.33	48.03	9.17	3.97	13.13
2019 TOTALS (lbs/day unmitigated)	13.90	76.13	86.62	0.06	245.07	3.84	248.91	51.22	3.52	54.74
2019 TOTALS (lbs/day mitigated)	13.90	76.13	86.62	0.06	43.70	3.84	47.54	9.17	3.52	12.68

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Non-Res'l.urb924

Project Name: 112-23 Construction Emissions Non Residential Existing General Plan

2020 TOTALS (lbs/day unmitigated)	13.12	69.94	84.10	0.06	245.07	3.52	248.59	51.22	3.22	54.45
2020 TOTALS (lbs/day mitigated)	13.12	69.94	84.10	0.06	43.70	3.52	47.22	9.17	3.22	12.39
2021 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2021 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2022 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2022 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2023 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2023 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2024 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2024 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2025 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2025 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2026 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2026 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2027 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2027 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2028 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2028 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2029 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2029 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2030 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2030 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Non-Res'l.urb924

Project Name: 112-23 Construction Emissions Non Residential Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	24.06	152.61	124.23	0.06	245.07	9.01	254.08	51.22	8.28	59.50
2010 TOTALS (lbs/day mitigated)	24.06	152.61	124.23	0.06	43.70	9.01	52.71	9.17	8.28	17.44
2011 TOTALS (lbs/day unmitigated)	22.64	143.18	118.48	0.06	245.07	8.50	253.57	51.22	7.80	59.03
2011 TOTALS (lbs/day mitigated)	22.64	143.18	118.48	0.06	43.70	8.50	52.20	9.17	7.80	16.97
2012 TOTALS (lbs/day unmitigated)	21.37	134.10	113.26	0.06	245.07	7.78	252.86	51.22	7.15	58.37
2012 TOTALS (lbs/day mitigated)	21.37	134.10	113.26	0.06	43.70	7.78	51.49	9.17	7.15	16.32
2013 TOTALS (lbs/day unmitigated)	20.18	125.48	108.32	0.06	245.07	7.13	252.20	51.22	6.54	57.77
2013 TOTALS (lbs/day mitigated)	20.18	125.48	108.32	0.06	43.70	7.13	50.83	9.17	6.54	15.71
2014 TOTALS (lbs/day unmitigated)	18.99	116.71	103.87	0.06	245.07	6.42	251.50	51.22	5.90	57.12
2014 TOTALS (lbs/day mitigated)	18.99	116.71	103.87	0.06	43.70	6.42	50.13	9.17	5.90	15.06
2015 TOTALS (lbs/day unmitigated)	17.79	107.26	99.68	0.06	245.07	5.91	250.98	51.22	5.43	56.65
2015 TOTALS (lbs/day mitigated)	17.79	107.26	99.68	0.06	43.70	5.91	49.61	9.17	5.43	14.59
2016 TOTALS (lbs/day unmitigated)	16.72	98.61	96.03	0.06	245.07	5.36	250.43	51.22	4.92	56.14
2016 TOTALS (lbs/day mitigated)	16.72	98.61	96.03	0.06	43.70	5.36	49.06	9.17	4.92	14.09
2017 TOTALS (lbs/day unmitigated)	15.82	90.55	92.59	0.06	245.07	4.83	249.91	51.22	4.43	55.65
2017 TOTALS (lbs/day mitigated)	15.82	90.55	92.59	0.06	43.70	4.83	48.54	9.17	4.43	13.60
2018 TOTALS (lbs/day unmitigated)	14.80	83.05	89.49	0.06	245.07	4.33	249.40	51.22	3.97	55.19
2018 TOTALS (lbs/day mitigated)	14.80	83.05	89.49	0.06	43.70	4.33	48.03	9.17	3.97	13.13
2019 TOTALS (lbs/day unmitigated)	13.90	76.13	86.62	0.06	245.07	3.84	248.91	51.22	3.52	54.74
2019 TOTALS (lbs/day mitigated)	13.90	76.13	86.62	0.06	43.70	3.84	47.54	9.17	3.52	12.68

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Non-Res'l.urb924

Project Name: 112-23 Construction Emissions Non Residential Existing General Plan

2020 TOTALS (lbs/day unmitigated)	13.12	69.94	84.10	0.06	245.07	3.52	248.59	51.22	3.22	54.45
2020 TOTALS (lbs/day mitigated)	13.12	69.94	84.10	0.06	43.70	3.52	47.22	9.17	3.22	12.39
2021 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2021 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2022 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2022 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2023 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2023 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2024 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2024 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2025 TOTALS (lbs/day unmitigated)	12.87	68.90	77.88	0.06	245.07	3.49	248.57	51.22	3.20	54.42
2025 TOTALS (lbs/day mitigated)	12.87	68.90	77.88	0.06	43.70	3.49	47.20	9.17	3.20	12.37
2026 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2026 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2027 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2027 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2028 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2028 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2029 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2029 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36
2030 TOTALS (lbs/day unmitigated)	12.74	68.46	74.51	0.06	245.07	3.48	248.56	51.22	3.19	54.41
2030 TOTALS (lbs/day mitigated)	12.74	68.46	74.51	0.06	43.70	3.48	47.19	9.17	3.19	12.36

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Office.urb924

Project Name: 112-23 Construction Emissions Office Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	18.04	115.24	86.12	0.04	128.16	6.96	135.12	26.79	6.40	33.18
2010 TOTALS (lbs/day mitigated)	18.04	115.24	86.12	0.04	22.87	6.96	29.82	4.80	6.40	11.19
2011 TOTALS (lbs/day unmitigated)	16.95	108.11	82.54	0.04	128.16	6.57	134.73	26.79	6.04	32.83
2011 TOTALS (lbs/day mitigated)	16.95	108.11	82.54	0.04	22.87	6.57	29.44	4.80	6.04	10.84
2012 TOTALS (lbs/day unmitigated)	15.97	101.25	79.32	0.04	128.16	6.02	134.18	26.79	5.53	32.32
2012 TOTALS (lbs/day mitigated)	15.97	101.25	79.32	0.04	22.87	6.02	28.89	4.80	5.53	10.33
2013 TOTALS (lbs/day unmitigated)	15.02	94.73	76.30	0.04	128.16	5.51	133.67	26.79	5.07	31.85
2013 TOTALS (lbs/day mitigated)	15.02	94.73	76.30	0.04	22.87	5.51	28.38	4.80	5.07	9.86
2014 TOTALS (lbs/day unmitigated)	14.10	88.10	73.54	0.04	128.16	4.96	133.12	26.79	4.56	31.35
2014 TOTALS (lbs/day mitigated)	14.10	88.10	73.54	0.04	22.87	4.96	27.83	4.80	4.56	9.36
2015 TOTALS (lbs/day unmitigated)	13.16	80.88	70.98	0.04	128.16	4.57	132.73	26.79	4.20	30.99
2015 TOTALS (lbs/day mitigated)	13.16	80.88	70.98	0.04	22.87	4.57	27.44	4.80	4.20	9.00
2016 TOTALS (lbs/day unmitigated)	12.34	74.24	68.76	0.04	128.16	4.12	132.28	26.79	3.79	30.57
2016 TOTALS (lbs/day mitigated)	12.34	74.24	68.76	0.04	22.87	4.12	26.99	4.80	3.79	8.59
2017 TOTALS (lbs/day unmitigated)	11.62	68.05	66.67	0.04	128.16	3.71	131.87	26.79	3.41	30.20
2017 TOTALS (lbs/day mitigated)	11.62	68.05	66.67	0.04	22.87	3.71	26.58	4.80	3.41	8.21
2018 TOTALS (lbs/day unmitigated)	10.83	62.31	64.79	0.04	128.16	3.32	131.48	26.79	3.05	29.84
2018 TOTALS (lbs/day mitigated)	10.83	62.31	64.79	0.04	22.87	3.32	26.19	4.80	3.05	7.85
2019 TOTALS (lbs/day unmitigated)	10.13	57.01	63.04	0.04	128.16	2.95	131.11	26.79	2.71	29.49
2019 TOTALS (lbs/day mitigated)	10.13	57.01	63.04	0.04	22.87	2.95	25.82	4.80	2.71	7.51

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Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Office.urb924

Project Name: 112-23 Construction Emissions Office Existing General Plan

2020 TOTALS (lbs/day unmitigated)	9.51	52.29	61.52	0.04	128.16	2.68	130.84	26.79	2.46	29.25
2020 TOTALS (lbs/day mitigated)	9.51	52.29	61.52	0.04	22.87	2.68	25.55	4.80	2.46	7.26
2021 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2021 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2022 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2022 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2023 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2023 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2024 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2024 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2025 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2025 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2026 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2026 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2027 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2027 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2028 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2028 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2029 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2029 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2030 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2030 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Office.urb924

Project Name: 112-23 Construction Emissions Office Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	18.04	115.24	86.12	0.04	128.16	6.96	135.12	26.79	6.40	33.18
2010 TOTALS (lbs/day mitigated)	18.04	115.24	86.12	0.04	22.87	6.96	29.82	4.80	6.40	11.19
2011 TOTALS (lbs/day unmitigated)	16.95	108.11	82.54	0.04	128.16	6.57	134.73	26.79	6.04	32.83
2011 TOTALS (lbs/day mitigated)	16.95	108.11	82.54	0.04	22.87	6.57	29.44	4.80	6.04	10.84
2012 TOTALS (lbs/day unmitigated)	15.97	101.25	79.32	0.04	128.16	6.02	134.18	26.79	5.53	32.32
2012 TOTALS (lbs/day mitigated)	15.97	101.25	79.32	0.04	22.87	6.02	28.89	4.80	5.53	10.33
2013 TOTALS (lbs/day unmitigated)	15.02	94.73	76.30	0.04	128.16	5.51	133.67	26.79	5.07	31.85
2013 TOTALS (lbs/day mitigated)	15.02	94.73	76.30	0.04	22.87	5.51	28.38	4.80	5.07	9.86
2014 TOTALS (lbs/day unmitigated)	14.10	88.10	73.54	0.04	128.16	4.96	133.12	26.79	4.56	31.35
2014 TOTALS (lbs/day mitigated)	14.10	88.10	73.54	0.04	22.87	4.96	27.83	4.80	4.56	9.36
2015 TOTALS (lbs/day unmitigated)	13.16	80.88	70.98	0.04	128.16	4.57	132.73	26.79	4.20	30.99
2015 TOTALS (lbs/day mitigated)	13.16	80.88	70.98	0.04	22.87	4.57	27.44	4.80	4.20	9.00
2016 TOTALS (lbs/day unmitigated)	12.34	74.24	68.76	0.04	128.16	4.12	132.28	26.79	3.79	30.57
2016 TOTALS (lbs/day mitigated)	12.34	74.24	68.76	0.04	22.87	4.12	26.99	4.80	3.79	8.59
2017 TOTALS (lbs/day unmitigated)	11.62	68.05	66.67	0.04	128.16	3.71	131.87	26.79	3.41	30.20
2017 TOTALS (lbs/day mitigated)	11.62	68.05	66.67	0.04	22.87	3.71	26.58	4.80	3.41	8.21
2018 TOTALS (lbs/day unmitigated)	10.83	62.31	64.79	0.04	128.16	3.32	131.48	26.79	3.05	29.84
2018 TOTALS (lbs/day mitigated)	10.83	62.31	64.79	0.04	22.87	3.32	26.19	4.80	3.05	7.85
2019 TOTALS (lbs/day unmitigated)	10.13	57.01	63.04	0.04	128.16	2.95	131.11	26.79	2.71	29.49
2019 TOTALS (lbs/day mitigated)	10.13	57.01	63.04	0.04	22.87	2.95	25.82	4.80	2.71	7.51

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Office.urb924

Project Name: 112-23 Construction Emissions Office Existing General Plan

2020 TOTALS (lbs/day unmitigated)	9.51	52.29	61.52	0.04	128.16	2.68	130.84	26.79	2.46	29.25
2020 TOTALS (lbs/day mitigated)	9.51	52.29	61.52	0.04	22.87	2.68	25.55	4.80	2.46	7.26
2021 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2021 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2022 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2022 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2023 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2023 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2024 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2024 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2025 TOTALS (lbs/day unmitigated)	9.36	51.73	57.90	0.04	128.16	2.67	130.82	26.79	2.45	29.23
2025 TOTALS (lbs/day mitigated)	9.36	51.73	57.90	0.04	22.87	2.67	25.53	4.80	2.45	7.24
2026 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2026 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2027 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2027 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2028 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2028 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2029 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2029 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24
2030 TOTALS (lbs/day unmitigated)	9.29	51.48	55.94	0.04	128.16	2.66	130.82	26.79	2.44	29.23
2030 TOTALS (lbs/day mitigated)	9.29	51.48	55.94	0.04	22.87	2.66	25.53	4.80	2.44	7.24

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Rec.urb924

Project Name: 112-23 Construction Emissions Recreational Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	404.51	3,150.77	3,685.61	6.39	9,212.98	134.75	9,347.73	1,927.47	123.34	2,050.81
2010 TOTALS (lbs/day mitigated)	404.51	3,150.77	3,685.61	6.39	1,655.03	134.75	1,789.78	349.07	123.34	472.41
2011 TOTALS (lbs/day unmitigated)	379.57	2,858.36	3,423.39	6.39	9,212.98	121.28	9,334.26	1,927.47	110.94	2,038.40
2011 TOTALS (lbs/day mitigated)	379.57	2,858.36	3,423.39	6.39	1,655.03	121.28	1,776.31	349.07	110.94	460.00
2012 TOTALS (lbs/day unmitigated)	355.68	2,572.74	3,174.78	6.39	9,212.98	108.63	9,321.61	1,927.47	99.29	2,026.76
2012 TOTALS (lbs/day mitigated)	355.68	2,572.74	3,174.78	6.39	1,655.03	108.63	1,763.67	349.07	99.29	448.35
2013 TOTALS (lbs/day unmitigated)	333.19	2,298.66	2,936.35	6.39	9,212.98	96.66	9,309.64	1,927.47	88.23	2,015.70
2013 TOTALS (lbs/day mitigated)	333.19	2,298.66	2,936.35	6.39	1,655.03	96.66	1,751.69	349.07	88.23	437.30
2014 TOTALS (lbs/day unmitigated)	311.23	2,040.11	2,719.70	6.39	9,212.98	86.09	9,299.07	1,927.47	78.52	2,005.98
2014 TOTALS (lbs/day mitigated)	311.23	2,040.11	2,719.70	6.39	1,655.03	86.09	1,741.13	349.07	78.52	427.58
2015 TOTALS (lbs/day unmitigated)	290.44	1,803.77	2,518.45	6.39	9,212.98	76.42	9,289.40	1,927.47	69.61	1,997.08
2015 TOTALS (lbs/day mitigated)	290.44	1,803.77	2,518.45	6.39	1,655.03	76.42	1,731.46	349.07	69.61	418.68
2016 TOTALS (lbs/day unmitigated)	273.13	1,607.21	2,345.72	6.39	9,212.98	68.61	9,281.59	1,927.47	62.41	1,989.88
2016 TOTALS (lbs/day mitigated)	273.13	1,607.21	2,345.72	6.39	1,655.03	68.61	1,723.64	349.07	62.41	411.48
2017 TOTALS (lbs/day unmitigated)	258.05	1,440.05	2,187.35	6.39	9,212.98	61.69	9,274.67	1,927.47	56.05	1,983.52
2017 TOTALS (lbs/day mitigated)	258.05	1,440.05	2,187.35	6.39	1,655.03	61.69	1,716.73	349.07	56.05	405.12
2018 TOTALS (lbs/day unmitigated)	244.21	1,297.00	2,044.54	6.39	9,212.98	55.94	9,268.92	1,927.47	50.75	1,978.21
2018 TOTALS (lbs/day mitigated)	244.21	1,297.00	2,044.54	6.39	1,655.03	55.94	1,710.97	349.07	50.75	399.81
2019 TOTALS (lbs/day unmitigated)	232.47	1,174.32	1,914.30	6.39	9,212.98	50.86	9,263.84	1,927.47	46.07	1,973.54
2019 TOTALS (lbs/day mitigated)	232.47	1,174.32	1,914.30	6.39	1,655.03	50.86	1,705.89	349.07	46.07	395.14

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Rec.urb924

Project Name: 112-23 Construction Emissions Recreational Existing General Plan

2020 TOTALS (lbs/day unmitigated)	221.50	1,069.25	1,795.21	6.39	9,212.98	46.75	9,259.73	1,927.47	42.29	1,969.75
2020 TOTALS (lbs/day mitigated)	221.50	1,069.25	1,795.21	6.39	1,655.03	46.75	1,701.78	349.07	42.29	391.35
2021 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2021 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2022 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2022 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2023 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2023 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2024 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2024 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2025 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2025 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2026 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2026 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2027 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2027 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2028 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2028 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2029 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2029 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2030 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2030 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Rec.urb924

Project Name: 112-23 Construction Emissions Recreational Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	404.51	3,150.77	3,685.61	6.39	9,212.98	134.75	9,347.73	1,927.47	123.34	2,050.81
2010 TOTALS (lbs/day mitigated)	404.51	3,150.77	3,685.61	6.39	1,655.03	134.75	1,789.78	349.07	123.34	472.41
2011 TOTALS (lbs/day unmitigated)	379.57	2,858.36	3,423.39	6.39	9,212.98	121.28	9,334.26	1,927.47	110.94	2,038.40
2011 TOTALS (lbs/day mitigated)	379.57	2,858.36	3,423.39	6.39	1,655.03	121.28	1,776.31	349.07	110.94	460.00
2012 TOTALS (lbs/day unmitigated)	355.68	2,572.74	3,174.78	6.39	9,212.98	108.63	9,321.61	1,927.47	99.29	2,026.76
2012 TOTALS (lbs/day mitigated)	355.68	2,572.74	3,174.78	6.39	1,655.03	108.63	1,763.67	349.07	99.29	448.35
2013 TOTALS (lbs/day unmitigated)	333.19	2,298.66	2,936.35	6.39	9,212.98	96.66	9,309.64	1,927.47	88.23	2,015.70
2013 TOTALS (lbs/day mitigated)	333.19	2,298.66	2,936.35	6.39	1,655.03	96.66	1,751.69	349.07	88.23	437.30
2014 TOTALS (lbs/day unmitigated)	311.23	2,040.11	2,719.70	6.39	9,212.98	86.09	9,299.07	1,927.47	78.52	2,005.98
2014 TOTALS (lbs/day mitigated)	311.23	2,040.11	2,719.70	6.39	1,655.03	86.09	1,741.13	349.07	78.52	427.58
2015 TOTALS (lbs/day unmitigated)	290.44	1,803.77	2,518.45	6.39	9,212.98	76.42	9,289.40	1,927.47	69.61	1,997.08
2015 TOTALS (lbs/day mitigated)	290.44	1,803.77	2,518.45	6.39	1,655.03	76.42	1,731.46	349.07	69.61	418.68
2016 TOTALS (lbs/day unmitigated)	273.13	1,607.21	2,345.72	6.39	9,212.98	68.61	9,281.59	1,927.47	62.41	1,989.88
2016 TOTALS (lbs/day mitigated)	273.13	1,607.21	2,345.72	6.39	1,655.03	68.61	1,723.64	349.07	62.41	411.48
2017 TOTALS (lbs/day unmitigated)	258.05	1,440.05	2,187.35	6.39	9,212.98	61.69	9,274.67	1,927.47	56.05	1,983.52
2017 TOTALS (lbs/day mitigated)	258.05	1,440.05	2,187.35	6.39	1,655.03	61.69	1,716.73	349.07	56.05	405.12
2018 TOTALS (lbs/day unmitigated)	244.21	1,297.00	2,044.54	6.39	9,212.98	55.94	9,268.92	1,927.47	50.75	1,978.21
2018 TOTALS (lbs/day mitigated)	244.21	1,297.00	2,044.54	6.39	1,655.03	55.94	1,710.97	349.07	50.75	399.81
2019 TOTALS (lbs/day unmitigated)	232.47	1,174.32	1,914.30	6.39	9,212.98	50.86	9,263.84	1,927.47	46.07	1,973.54
2019 TOTALS (lbs/day mitigated)	232.47	1,174.32	1,914.30	6.39	1,655.03	50.86	1,705.89	349.07	46.07	395.14

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP Rec.urb924

Project Name: 112-23 Construction Emissions Recreational Existing General Plan

2020 TOTALS (lbs/day unmitigated)	221.50	1,069.25	1,795.21	6.39	9,212.98	46.75	9,259.73	1,927.47	42.29	1,969.75
2020 TOTALS (lbs/day mitigated)	221.50	1,069.25	1,795.21	6.39	1,655.03	46.75	1,701.78	349.07	42.29	391.35
2021 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2021 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2022 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2022 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2023 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2023 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2024 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2024 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2025 TOTALS (lbs/day unmitigated)	191.97	810.35	1,375.62	6.38	9,212.98	37.60	9,250.59	1,927.47	33.88	1,961.35
2025 TOTALS (lbs/day mitigated)	191.97	810.35	1,375.62	6.38	1,655.03	37.60	1,692.64	349.07	33.88	382.95
2026 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2026 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2027 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2027 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2028 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2028 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2029 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2029 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03
2030 TOTALS (lbs/day unmitigated)	178.35	715.16	1,158.59	6.38	9,212.98	34.42	9,247.40	1,927.47	30.96	1,958.43
2030 TOTALS (lbs/day mitigated)	178.35	715.16	1,158.59	6.38	1,655.03	34.42	1,689.45	349.07	30.96	380.03

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Res'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Residential

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	708.35	3,639.26	10,892.08	15.30	160,208.47	160.80	160,369.26	33,467.42	145.41	33,612.83
2010 TOTALS (lbs/day mitigated)	708.35	3,639.26	10,892.08	15.30	28,476.11	160.80	28,636.90	5,956.43	145.41	6,101.84
2011 TOTALS (lbs/day unmitigated)	662.88	3,304.52	10,133.49	15.30	160,208.47	147.10	160,355.57	33,467.42	132.79	33,600.21
2011 TOTALS (lbs/day mitigated)	662.88	3,304.52	10,133.49	15.30	28,476.11	147.10	28,623.21	5,956.43	132.79	6,089.22
2012 TOTALS (lbs/day unmitigated)	619.90	2,980.55	9,419.94	15.30	160,208.47	134.32	160,342.79	33,467.42	120.95	33,588.37
2012 TOTALS (lbs/day mitigated)	619.90	2,980.55	9,419.94	15.30	28,476.11	134.32	28,610.43	5,956.43	120.95	6,077.38
2013 TOTALS (lbs/day unmitigated)	580.08	2,669.61	8,742.81	15.30	160,208.47	122.26	160,330.73	33,467.42	109.66	33,577.08
2013 TOTALS (lbs/day mitigated)	580.08	2,669.61	8,742.81	15.30	28,476.11	122.26	28,598.36	5,956.43	109.66	6,066.10
2014 TOTALS (lbs/day unmitigated)	542.45	2,379.60	8,130.70	15.30	160,208.47	113.35	160,321.82	33,467.42	101.49	33,568.91
2014 TOTALS (lbs/day mitigated)	542.45	2,379.60	8,130.70	15.30	28,476.11	113.35	28,589.46	5,956.43	101.49	6,057.92
2015 TOTALS (lbs/day unmitigated)	507.47	2,113.51	7,558.28	15.30	160,208.47	103.49	160,311.96	33,467.42	92.40	33,559.82
2015 TOTALS (lbs/day mitigated)	507.47	2,113.51	7,558.28	15.30	28,476.11	103.49	28,579.59	5,956.43	92.40	6,048.83
2016 TOTALS (lbs/day unmitigated)	477.88	1,892.18	7,055.41	15.30	160,208.47	95.57	160,304.04	33,467.42	85.11	33,552.53
2016 TOTALS (lbs/day mitigated)	477.88	1,892.18	7,055.41	15.30	28,476.11	95.57	28,571.67	5,956.43	85.11	6,041.54
2017 TOTALS (lbs/day unmitigated)	451.79	1,702.16	6,580.35	15.30	160,208.47	88.52	160,296.99	33,467.42	78.62	33,546.04
2017 TOTALS (lbs/day mitigated)	451.79	1,702.16	6,580.35	15.30	28,476.11	88.52	28,564.63	5,956.43	78.62	6,035.06
2018 TOTALS (lbs/day unmitigated)	427.54	1,537.93	6,142.08	15.30	160,208.47	82.79	160,291.26	33,467.42	73.26	33,540.68
2018 TOTALS (lbs/day mitigated)	427.54	1,537.93	6,142.08	15.30	28,476.11	82.79	28,558.89	5,956.43	73.26	6,029.70
2019 TOTALS (lbs/day unmitigated)	406.77	1,395.71	5,736.57	15.30	160,208.47	77.61	160,286.08	33,467.42	68.50	33,535.92
2019 TOTALS (lbs/day mitigated)	406.77	1,395.71	5,736.57	15.30	28,476.11	77.61	28,553.72	5,956.43	68.50	6,024.94

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Res'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Residential

2020 TOTALS (lbs/day unmitigated)	386.28	1,273.63	5,356.85	15.30	160,208.47	73.43	160,281.90	33,467.42	64.65	33,532.07
2020 TOTALS (lbs/day mitigated)	386.28	1,273.63	5,356.85	15.30	28,476.11	73.43	28,549.53	5,956.43	64.65	6,021.09
2021 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2021 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2022 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2022 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2023 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2023 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2024 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2024 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2025 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2025 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2026 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2026 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2027 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2027 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2028 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2028 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2029 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2029 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2030 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2030 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Res'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Residential

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	708.35	3,639.26	10,892.08	15.30	160,208.47	160.80	160,369.26	33,467.42	145.41	33,612.83
2010 TOTALS (lbs/day mitigated)	708.35	3,639.26	10,892.08	15.30	28,476.11	160.80	28,636.90	5,956.43	145.41	6,101.84
2011 TOTALS (lbs/day unmitigated)	662.88	3,304.52	10,133.49	15.30	160,208.47	147.10	160,355.57	33,467.42	132.79	33,600.21
2011 TOTALS (lbs/day mitigated)	662.88	3,304.52	10,133.49	15.30	28,476.11	147.10	28,623.21	5,956.43	132.79	6,089.22
2012 TOTALS (lbs/day unmitigated)	619.90	2,980.55	9,419.94	15.30	160,208.47	134.32	160,342.79	33,467.42	120.95	33,588.37
2012 TOTALS (lbs/day mitigated)	619.90	2,980.55	9,419.94	15.30	28,476.11	134.32	28,610.43	5,956.43	120.95	6,077.38
2013 TOTALS (lbs/day unmitigated)	580.08	2,669.61	8,742.81	15.30	160,208.47	122.26	160,330.73	33,467.42	109.66	33,577.08
2013 TOTALS (lbs/day mitigated)	580.08	2,669.61	8,742.81	15.30	28,476.11	122.26	28,598.36	5,956.43	109.66	6,066.10
2014 TOTALS (lbs/day unmitigated)	542.45	2,379.60	8,130.70	15.30	160,208.47	113.35	160,321.82	33,467.42	101.49	33,568.91
2014 TOTALS (lbs/day mitigated)	542.45	2,379.60	8,130.70	15.30	28,476.11	113.35	28,589.46	5,956.43	101.49	6,057.92
2015 TOTALS (lbs/day unmitigated)	507.47	2,113.51	7,558.28	15.30	160,208.47	103.49	160,311.96	33,467.42	92.40	33,559.82
2015 TOTALS (lbs/day mitigated)	507.47	2,113.51	7,558.28	15.30	28,476.11	103.49	28,579.59	5,956.43	92.40	6,048.83
2016 TOTALS (lbs/day unmitigated)	477.88	1,892.18	7,055.41	15.30	160,208.47	95.57	160,304.04	33,467.42	85.11	33,552.53
2016 TOTALS (lbs/day mitigated)	477.88	1,892.18	7,055.41	15.30	28,476.11	95.57	28,571.67	5,956.43	85.11	6,041.54
2017 TOTALS (lbs/day unmitigated)	451.79	1,702.16	6,580.35	15.30	160,208.47	88.52	160,296.99	33,467.42	78.62	33,546.04
2017 TOTALS (lbs/day mitigated)	451.79	1,702.16	6,580.35	15.30	28,476.11	88.52	28,564.63	5,956.43	78.62	6,035.06
2018 TOTALS (lbs/day unmitigated)	427.54	1,537.93	6,142.08	15.30	160,208.47	82.79	160,291.26	33,467.42	73.26	33,540.68
2018 TOTALS (lbs/day mitigated)	427.54	1,537.93	6,142.08	15.30	28,476.11	82.79	28,558.89	5,956.43	73.26	6,029.70
2019 TOTALS (lbs/day unmitigated)	406.77	1,395.71	5,736.57	15.30	160,208.47	77.61	160,286.08	33,467.42	68.50	33,535.92
2019 TOTALS (lbs/day mitigated)	406.77	1,395.71	5,736.57	15.30	28,476.11	77.61	28,553.72	5,956.43	68.50	6,024.94
2020 TOTALS (lbs/day unmitigated)	386.28	1,273.63	5,356.85	15.30	160,208.47	73.43	160,281.90	33,467.42	64.65	33,532.07

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP Res'l.urb924

Project Name: 112-23 Construction Emissions Existing General Plan Residential

2020 TOTALS (lbs/day mitigated)	386.28	1,273.63	5,356.85	15.30	28,476.11	73.43	28,549.53	5,956.43	64.65	6,021.09
2021 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2021 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2022 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2022 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2023 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2023 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2024 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2024 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2025 TOTALS (lbs/day unmitigated)	323.93	951.47	3,944.03	15.28	160,208.47	64.12	160,272.59	33,467.42	56.10	33,523.52
2025 TOTALS (lbs/day mitigated)	323.93	951.47	3,944.03	15.28	28,476.11	64.12	28,540.23	5,956.43	56.10	6,012.53
2026 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2026 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2027 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2027 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2028 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2028 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2029 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2029 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54
2030 TOTALS (lbs/day unmitigated)	290.62	820.81	3,182.62	15.28	160,208.47	60.86	160,269.32	33,467.42	53.11	33,520.53
2030 TOTALS (lbs/day mitigated)	290.62	820.81	3,182.62	15.28	28,476.11	60.86	28,536.96	5,956.43	53.11	6,009.54

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP SG.urb924

Project Name: 112-23 Construction Emissions Special Generator Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	95.51	743.46	733.51	1.07	1,531.79	34.53	1,566.32	320.47	31.66	352.14
2010 TOTALS (lbs/day mitigated)	95.51	743.46	733.51	1.07	275.20	34.53	309.73	58.05	31.66	89.71
2011 TOTALS (lbs/day unmitigated)	89.61	681.42	684.95	1.07	1,531.79	31.46	1,563.25	320.47	28.84	349.31
2011 TOTALS (lbs/day mitigated)	89.61	681.42	684.95	1.07	275.20	31.46	306.66	58.05	28.84	86.89
2012 TOTALS (lbs/day unmitigated)	84.08	620.90	639.23	1.07	1,531.79	28.43	1,560.22	320.47	26.04	346.52
2012 TOTALS (lbs/day mitigated)	84.08	620.90	639.23	1.07	275.20	28.43	303.63	58.05	26.04	84.09
2013 TOTALS (lbs/day unmitigated)	79.10	563.11	595.48	1.07	1,531.79	25.62	1,557.41	320.47	23.45	343.93
2013 TOTALS (lbs/day mitigated)	79.10	563.11	595.48	1.07	275.20	25.62	300.82	58.05	23.45	81.50
2014 TOTALS (lbs/day unmitigated)	74.03	507.42	556.02	1.07	1,531.79	22.93	1,554.72	320.47	20.98	341.45
2014 TOTALS (lbs/day mitigated)	74.03	507.42	556.02	1.07	275.20	22.93	298.13	58.05	20.98	79.02
2015 TOTALS (lbs/day unmitigated)	69.10	454.31	519.23	1.07	1,531.79	20.64	1,552.43	320.47	18.87	339.34
2015 TOTALS (lbs/day mitigated)	69.10	454.31	519.23	1.07	275.20	20.64	295.84	58.05	18.87	76.92
2016 TOTALS (lbs/day unmitigated)	64.90	408.89	487.79	1.07	1,531.79	18.52	1,550.31	320.47	16.92	337.39
2016 TOTALS (lbs/day mitigated)	64.90	408.89	487.79	1.07	275.20	18.52	293.72	58.05	16.92	74.97
2017 TOTALS (lbs/day unmitigated)	61.20	369.06	458.85	1.07	1,531.79	16.67	1,548.46	320.47	15.21	335.69
2017 TOTALS (lbs/day mitigated)	61.20	369.06	458.85	1.07	275.20	16.67	291.87	58.05	15.21	73.26
2018 TOTALS (lbs/day unmitigated)	57.60	333.95	432.98	1.07	1,531.79	15.02	1,546.81	320.47	13.70	334.17
2018 TOTALS (lbs/day mitigated)	57.60	333.95	432.98	1.07	275.20	15.02	290.22	58.05	13.70	71.75
2019 TOTALS (lbs/day unmitigated)	54.63	303.25	409.31	1.07	1,531.79	13.49	1,545.28	320.47	12.29	332.77
2019 TOTALS (lbs/day mitigated)	54.63	303.25	409.31	1.07	275.20	13.49	288.70	58.05	12.29	70.34

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const Ex GP SG.urb924

Project Name: 112-23 Construction Emissions Special Generator Existing General Plan

2020 TOTALS (lbs/day unmitigated)	51.72	276.39	387.89	1.07	1,531.79	12.31	1,544.10	320.47	11.21	331.68
2020 TOTALS (lbs/day mitigated)	51.72	276.39	387.89	1.07	275.20	12.31	287.52	58.05	11.21	69.26
2021 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2021 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2022 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2022 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2023 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2023 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2024 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2024 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2025 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2025 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2026 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2026 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2027 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2027 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2028 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2028 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2029 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2029 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2030 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2030 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP SG.urb924

Project Name: 112-23 Construction Emissions Special Generator Existing General Plan

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	95.51	743.46	733.51	1.07	1,531.79	34.53	1,566.32	320.47	31.66	352.14
2010 TOTALS (lbs/day mitigated)	95.51	743.46	733.51	1.07	275.20	34.53	309.73	58.05	31.66	89.71
2011 TOTALS (lbs/day unmitigated)	89.61	681.42	684.95	1.07	1,531.79	31.46	1,563.25	320.47	28.84	349.31
2011 TOTALS (lbs/day mitigated)	89.61	681.42	684.95	1.07	275.20	31.46	306.66	58.05	28.84	86.89
2012 TOTALS (lbs/day unmitigated)	84.08	620.90	639.23	1.07	1,531.79	28.43	1,560.22	320.47	26.04	346.52
2012 TOTALS (lbs/day mitigated)	84.08	620.90	639.23	1.07	275.20	28.43	303.63	58.05	26.04	84.09
2013 TOTALS (lbs/day unmitigated)	79.10	563.11	595.48	1.07	1,531.79	25.62	1,557.41	320.47	23.45	343.93
2013 TOTALS (lbs/day mitigated)	79.10	563.11	595.48	1.07	275.20	25.62	300.82	58.05	23.45	81.50
2014 TOTALS (lbs/day unmitigated)	74.03	507.42	556.02	1.07	1,531.79	22.93	1,554.72	320.47	20.98	341.45
2014 TOTALS (lbs/day mitigated)	74.03	507.42	556.02	1.07	275.20	22.93	298.13	58.05	20.98	79.02
2015 TOTALS (lbs/day unmitigated)	69.10	454.31	519.23	1.07	1,531.79	20.64	1,552.43	320.47	18.87	339.34
2015 TOTALS (lbs/day mitigated)	69.10	454.31	519.23	1.07	275.20	20.64	295.84	58.05	18.87	76.92
2016 TOTALS (lbs/day unmitigated)	64.90	408.89	487.79	1.07	1,531.79	18.52	1,550.31	320.47	16.92	337.39
2016 TOTALS (lbs/day mitigated)	64.90	408.89	487.79	1.07	275.20	18.52	293.72	58.05	16.92	74.97
2017 TOTALS (lbs/day unmitigated)	61.20	369.06	458.85	1.07	1,531.79	16.67	1,548.46	320.47	15.21	335.69
2017 TOTALS (lbs/day mitigated)	61.20	369.06	458.85	1.07	275.20	16.67	291.87	58.05	15.21	73.26
2018 TOTALS (lbs/day unmitigated)	57.60	333.95	432.98	1.07	1,531.79	15.02	1,546.81	320.47	13.70	334.17
2018 TOTALS (lbs/day mitigated)	57.60	333.95	432.98	1.07	275.20	15.02	290.22	58.05	13.70	71.75
2019 TOTALS (lbs/day unmitigated)	54.63	303.25	409.31	1.07	1,531.79	13.49	1,545.28	320.47	12.29	332.77
2019 TOTALS (lbs/day mitigated)	54.63	303.25	409.31	1.07	275.20	13.49	288.70	58.05	12.29	70.34
2020 TOTALS (lbs/day unmitigated)	51.72	276.39	387.89	1.07	1,531.79	12.31	1,544.10	320.47	11.21	331.68
2020 TOTALS (lbs/day mitigated)	51.72	276.39	387.89	1.07	275.20	12.31	287.52	58.05	11.21	69.26

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVO\112-23 URBEMIS FILES\112.23 Const Ex GP SG.urb924

Project Name: 112-23 Construction Emissions Special Generator Existing General Plan

2021 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2021 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2022 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2022 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2023 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2023 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2024 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2024 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2025 TOTALS (lbs/day unmitigated)	46.78	233.29	317.23	1.07	1,531.79	10.79	1,542.58	320.47	9.81	330.28
2025 TOTALS (lbs/day mitigated)	46.78	233.29	317.23	1.07	275.20	10.79	286.00	58.05	9.81	67.86
2026 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2026 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2027 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2027 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2028 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2028 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2029 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2029 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37
2030 TOTALS (lbs/day unmitigated)	44.49	217.43	280.66	1.07	1,531.79	10.26	1,542.05	320.47	9.32	329.80
2030 TOTALS (lbs/day mitigated)	44.49	217.43	280.66	1.07	275.20	10.26	285.47	58.05	9.32	67.37

**Operational Air Emissions
for Existing General Plan and Area Plan**

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Comm'l.urb924

Project Name: 112-23 Existing General Plan Commercial Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	134.95	141.54	125.00	0.00	0.27	0.27	169,758.28

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	9,308.43	14,144.25	124,040.24	131.39	21,639.57	4,209.98	12,826,643.39

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	9,443.38	14,285.79	124,165.24	131.39	21,639.84	4,210.25	12,996,401.67

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	10.27	141.46	118.82	0.00	0.25	0.25	169,747.04
Hearth - No Summer Emissions							
Landscape	0.49	0.08	6.18	0.00	0.02	0.02	11.24
Consumer Products	0.00						
Architectural Coatings	124.19						
TOTALS (lbs/day, unmitigated)	134.95	141.54	125.00	0.00	0.27	0.27	169,758.28

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 10% to 0%
- Percentage of residences with wood fireplaces changed from 5% to 0%
- Percentage of residences with natural gas fireplaces changed from 85% to 0%
- The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Comm'l Ctr >30 ac	3,038.96	4,598.01	40,322.99	42.71	7,034.59	1,368.58	4,169,683.85
Comm'l Ctr 10-30 ac	3,810.01	5,795.72	50,826.50	53.84	8,866.99	1,725.08	5,255,821.83
Comm'l Ctr <10 ac	1,840.38	2,815.40	24,690.11	26.15	4,307.34	837.99	2,553,133.54
Comm'l Shops	619.08	935.12	8,200.64	8.69	1,430.65	278.33	848,004.17
TOTALS (lbs/day, unmitigated)	9,308.43	14,144.25	124,040.24	131.39	21,639.57	4,209.98	12,826,643.39

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 80 Season: Summer
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Comm'l Ctr >30 ac		40.06	1000 sq ft	8,687.99	348,040.90	4,072,078.47
Comm'l Ctr 10-30 ac		54.06	1000 sq ft	8,115.06	438,700.16	5,132,791.76
Comm'l Ctr <10 ac		85.06	1000 sq ft	2,505.39	213,108.46	2,493,368.92
Comm'l Shops		37.06	1000 sq ft	1,909.94	70,782.38	828,153.80
					1,070,631.90	12,526,392.95

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Comm'l Ctr >30 ac				2.0	1.0	97.0
Comm'l Ctr 10-30 ac				2.0	1.0	97.0
Comm'l Ctr <10 ac				2.0	1.0	97.0
Comm'l Shops				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Comm'l.urb924

Project Name: 112-23 Existing General Plan Commercial Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	134.46	141.46	118.82	0.00	0.25	0.25	169,747.04

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	10,813.37	17,054.81	118,458.85	109.25	21,639.57	4,209.98	11,610,363.76

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	10,947.83	17,196.27	118,577.67	109.25	21,639.82	4,210.23	11,780,110.80

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	10.27	141.46	118.82	0.00	0.25	0.25	169,747.04
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	124.19						
TOTALS (lbs/day, unmitigated)	134.46	141.46	118.82	0.00	0.25	0.25	169,747.04

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 10% to 0%
- Percentage of residences with wood fireplaces changed from 5% to 0%
- Percentage of residences with natural gas fireplaces changed from 85% to 0%
- The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Comm'l Ctr >30 ac	3,521.04	5,544.17	38,508.59	35.51	7,034.59	1,368.58	3,774,295.80
Comm'l Ctr 10-30 ac	4,428.98	6,988.35	48,539.48	44.77	8,866.99	1,725.08	4,757,441.33
Comm'l Ctr <10 ac	2,146.80	3,394.75	23,579.14	21.75	4,307.34	837.99	2,311,034.01
Comm'l Shops	716.55	1,127.54	7,831.64	7.22	1,430.65	278.33	767,592.62
TOTALS (lbs/day, unmitigated)	10,813.37	17,054.81	118,458.85	109.25	21,639.57	4,209.98	11,610,363.76

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 60 Season: Winter
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Comm'l Ctr >30 ac		40.06	1000 sq ft	8,687.99	348,040.90	4,072,078.47
Comm'l Ctr 10-30 ac		54.06	1000 sq ft	8,115.06	438,700.16	5,132,791.76
Comm'l Ctr <10 ac		85.06	1000 sq ft	2,505.39	213,108.46	2,493,368.92
Comm'l Shops		37.06	1000 sq ft	1,909.94	70,782.38	828,153.80
					1,070,631.90	12,526,392.95

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Comm'l Ctr >30 ac				2.0	1.0	97.0
Comm'l Ctr 10-30 ac				2.0	1.0	97.0
Comm'l Ctr <10 ac				2.0	1.0	97.0
Comm'l Shops				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Institutional.urb924

Project Name: 112-23 Existing General Plan Institutional Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	67.96	98.16	93.16	0.00	0.22	0.21	117,647.30

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,277.66	2,305.39	20,363.35	21.43	3,522.38	685.49	2,091,051.71

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,345.62	2,403.55	20,456.51	21.43	3,522.60	685.70	2,208,699.01

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	7.12	98.02	82.34	0.00	0.18	0.17	117,627.64
Hearth - No Summer Emissions							
Landscape	0.86	0.14	10.82	0.00	0.04	0.04	19.66
Consumer Products	0.00						
Architectural Coatings	59.98						
TOTALS (lbs/day, unmitigated)	67.96	98.16	93.16	0.00	0.22	0.21	117,647.30

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Day-care center	24.83	32.26	283.50	0.30	49.33	9.60	29,255.75
Elementary school	898.27	832.77	7,396.28	7.74	1,271.08	247.42	755,458.07
High school	514.79	530.21	4,676.18	4.93	810.33	157.69	480,894.99
Junior college (2 yrs)	681.59	678.51	5,962.96	6.30	1,037.65	201.89	615,337.26
Library	52.52	80.19	704.76	0.75	122.64	23.86	72,726.72
Place of worship	52.61	74.45	653.38	0.69	113.89	22.16	67,517.81
Hospital	53.05	77.00	686.29	0.72	117.46	22.87	69,861.11
TOTALS (lbs/day, unmitigated)	2,277.66	2,305.39	20,363.35	21.43	3,522.38	685.49	2,091,051.71

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 80 Season: Summer
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Day-care center		4.52	1000 sq ft	540.00	2,440.80	28,557.36
Elementary school		1.29	students	48,743.00	62,878.47	735,678.07
High school		1.71	students	23,444.00	40,089.24	469,044.11
Junior college (2 yrs)		1.54	students	33,336.00	51,337.44	600,648.02
Library		84.98	1000 sq ft	71.40	6,067.57	70,990.60
Place of worship		9.30	1000 sq ft	605.89	5,634.78	65,926.89
Hospital		16.80	1000 sq ft	345.84	5,810.11	67,978.31
					174,258.41	2,038,823.36

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Day-care center	5.0	2.5	92.5
Elementary school	20.0	10.0	70.0
High school	10.0	5.0	85.0
Junior college (2 yrs)	5.0	2.5	92.5

	<u>Travel Conditions</u>					
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Library				5.0	2.5	92.5
Place of worship				3.0	1.5	95.5
Hospital				25.0	12.5	62.5

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Institutional.urb924

Project Name: 112-23 Existing General Plan Institutional Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	67.10	98.02	82.34	0.00	0.18	0.17	117,627.64

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,107.08	2,780.04	19,427.22	17.83	3,522.38	685.49	1,893,087.35

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,174.18	2,878.06	19,509.56	17.83	3,522.56	685.66	2,010,714.99

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	7.12	98.02	82.34	0.00	0.18	0.17	117,627.64
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	59.98						
TOTALS (lbs/day, unmitigated)	67.10	98.02	82.34	0.00	0.18	0.17	117,627.64

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Day-care center	26.29	38.90	270.67	0.25	49.33	9.60	26,482.90
Elementary school	795.85	1,004.29	7,050.78	6.44	1,271.08	247.42	684,025.67
High school	480.40	639.36	4,462.17	4.10	810.33	157.69	435,352.05
Junior college (2 yrs)	624.63	818.15	5,692.92	5.24	1,037.65	201.89	557,015.93
Library	61.22	96.70	672.85	0.62	122.64	23.86	65,833.72
Place of worship	58.55	89.77	623.92	0.58	113.89	22.16	61,116.48
Hospital	60.14	92.87	653.91	0.60	117.46	22.87	63,260.60
TOTALS (lbs/day, unmitigated)	2,107.08	2,780.04	19,427.22	17.83	3,522.38	685.49	1,893,087.35

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 60 Season: Winter
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Day-care center		4.52	1000 sq ft	540.00	2,440.80	28,557.36
Elementary school		1.29	students	48,743.00	62,878.47	735,678.07
High school		1.71	students	23,444.00	40,089.24	469,044.11
Junior college (2 yrs)		1.54	students	33,336.00	51,337.44	600,648.02
Library		84.98	1000 sq ft	71.40	6,067.57	70,990.60
Place of worship		9.30	1000 sq ft	605.89	5,634.78	65,926.89
Hospital		16.80	1000 sq ft	345.84	5,810.11	67,978.31
					174,258.41	2,038,823.36

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Day-care center				5.0	2.5	92.5
Elementary school				20.0	10.0	70.0
High school				10.0	5.0	85.0
Junior college (2 yrs)				5.0	2.5	92.5

	<u>Travel Conditions</u>					
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Library				5.0	2.5	92.5
Place of worship				3.0	1.5	95.5
Hospital				25.0	12.5	62.5

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 EX GP Res'l.urb924

Project Name: 112-23 Existing General Plan Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	9,332.01	2,120.42	4,943.48	0.20	14.71	14.58	2,655,006.27

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	12,369.01	16,785.22	153,134.91	156.32	25,491.48	4,967.93	15,242,339.04

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	21,701.02	18,905.64	158,078.39	156.52	25,506.19	4,982.51	17,897,345.31

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	160.23	2,074.65	882.83	0.02	3.97	3.93	2,648,484.90
Hearth - No Summer Emissions							
Landscape	733.28	45.77	4,060.65	0.18	10.74	10.65	6,521.37
Consumer Products	8,006.75						
Architectural Coatings	431.75						
TOTALS (lbs/day, unmitigated)	9,332.01	2,120.42	4,943.48	0.20	14.71	14.58	2,655,006.27

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Single family housing	8,056.59	11,061.48	100,916.06	103.01	16,798.91	3,273.87	10,044,716.72
Apartments mid rise	559.32	730.21	6,661.83	6.80	1,108.96	216.12	663,087.87
Condo/townhouse general	3,528.53	4,702.46	42,901.45	43.79	7,141.55	1,391.79	4,270,211.03
Mobile home park	150.28	200.28	1,827.23	1.87	304.17	59.28	181,874.41
Retirement community	74.29	90.79	828.34	0.85	137.89	26.87	82,449.01
TOTALS (lbs/day, unmitigated)	12,369.01	16,785.22	153,134.91	156.32	25,491.48	4,967.93	15,242,339.04

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	28,936.00	9.57	dwelling units	86,808.00	830,752.53	9,719,804.48
Apartments mid rise	250.55	5.76	dwelling units	9,521.00	54,840.96	641,639.25
Condo/townhouse general	3,199.00	6.90	dwelling units	51,184.00	353,169.60	4,132,084.31
Mobile home park	363.33	6.90	dwelling units	2,180.00	15,042.00	175,991.40
Retirement community	367.60	3.71	dwelling units	1,838.00	6,818.98	79,782.07
					1,260,624.07	14,749,301.51

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 EX GP Res'l.urb924

Project Name: 112-23 Existing General Plan Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	32,345.27	4,089.37	66,725.95	184.71	10,214.28	9,833.16	5,349,798.83

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	13,584.80	20,246.59	145,918.32	130.22	25,491.48	4,967.93	13,810,220.89

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	45,930.07	24,335.96	212,644.27	314.93	35,705.76	14,801.09	19,160,019.72

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	160.23	2,074.65	882.83	0.02	3.97	3.93	2,648,484.90
Hearth	23,746.54	2,014.72	65,843.12	184.69	10,210.31	9,829.23	2,701,313.93
Landscaping - No Winter Emissions							
Consumer Products	8,006.75						
Architectural Coatings	431.75						
TOTALS (lbs/day, unmitigated)	32,345.27	4,089.37	66,725.95	184.71	10,214.28	9,833.16	5,349,798.83

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Single family housing	8,909.88	13,342.52	96,160.32	85.82	16,798.91	3,273.87	9,100,949.41
Apartments mid rise	600.52	880.79	6,347.89	5.67	1,108.96	216.12	600,786.40
Condo/townhouse general	3,834.29	5,672.17	40,879.69	36.48	7,141.55	1,391.79	3,868,996.58
Mobile home park	163.31	241.59	1,741.12	1.55	304.17	59.28	164,786.12
Retirement community	76.80	109.52	789.30	0.70	137.89	26.87	74,702.38
TOTALS (lbs/day, unmitigated)	13,584.80	20,246.59	145,918.32	130.22	25,491.48	4,967.93	13,810,220.89

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	28,936.00	9.57	dwelling units	86,808.00	830,752.53	9,719,804.48
Apartments mid rise	250.55	5.76	dwelling units	9,521.00	54,840.96	641,639.25
Condo/townhouse general	3,199.00	6.90	dwelling units	51,184.00	353,169.60	4,132,084.31
Mobile home park	363.33	6.90	dwelling units	2,180.00	15,042.00	175,991.40
Retirement community	367.60	3.71	dwelling units	1,838.00	6,818.98	79,782.07
					1,260,624.07	14,749,301.51

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP SG.urb924

Project Name: 112-23 OVOV Existing GP Special Generator Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	52.29	0.93	9.95	0.00	0.03	0.03	983.29

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	352.56	539.23	4,736.38	5.01	824.73	160.46	489,012.44

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	404.85	540.16	4,746.33	5.01	824.76	160.49	489,995.73

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.81	0.68	0.00	0.00	0.00	966.44
Hearth - No Summer Emissions							
Landscape	0.74	0.12	9.27	0.00	0.03	0.03	16.85
Consumer Products	0.00						
Architectural Coatings	51.49						
TOTALS (lbs/day, unmitigated)	52.29	0.93	9.95	0.00	0.03	0.03	983.29

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Manufacturing	17.84	26.59	240.77	0.25	40.44	7.88	24,135.34
Wayside Honor Ranch	13.04	19.82	173.79	0.18	30.32	5.90	17,970.66
Six Flags Magic Mtn	206.96	317.07	2,780.57	2.95	485.09	94.37	287,530.61
Travel Village	22.59	34.61	303.55	0.32	52.96	10.30	31,388.76
Agua Dulce Airport	48.07	73.64	645.79	0.68	112.66	21.92	66,778.99
Landfill	44.06	67.50	591.91	0.63	103.26	20.09	61,208.08
TOTALS (lbs/day, unmitigated)	352.56	539.23	4,736.38	5.01	824.73	160.46	489,012.44

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Manufacturing		100.00	1000 sq ft	20.00	2,000.00	23,400.00
Wayside Honor Ranch		50.00	acres	30.00	1,500.00	17,550.00
Six Flags Magic Mtn		100.00	acres	240.00	24,000.00	280,800.00
Travel Village		100.00	acres	26.20	2,620.00	30,654.00
Agua Dulce Airport		100.00	acres	55.74	5,574.00	65,215.80
Landfill		100.00	acres	51.09	5,109.00	59,775.30
					40,803.00	477,395.10

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Manufacturing				48.0	24.0	28.0
Wayside Honor Ranch				2.0	1.0	97.0
Six Flags Magic Mtn				2.0	1.0	97.0
Travel Village				2.0	1.0	97.0
Agua Dulce Airport				2.0	1.0	97.0
Landfill				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP SG.urb924

Project Name: 112-23 OVOV Existing GP Special Generator Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	51.55	0.81	0.68	0.00	0.00	0.00	966.44

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	411.35	650.19	4,522.22	4.17	824.73	160.46	442,658.63

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	462.90	651.00	4,522.90	4.17	824.73	160.46	443,625.07

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.81	0.68	0.00	0.00	0.00	966.44
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	51.49						
TOTALS (lbs/day, unmitigated)	51.55	0.81	0.68	0.00	0.00	0.00	966.44

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Manufacturing	20.63	32.08	228.90	0.21	40.44	7.88	21,863.26
Wayside Honor Ranch	15.15	23.89	165.97	0.15	30.32	5.90	16,266.60
Six Flags Magic Mtn	241.63	382.31	2,655.45	2.45	485.09	94.37	260,265.67
Travel Village	26.38	41.74	289.89	0.27	52.96	10.30	28,412.34
Agua Dulce Airport	56.12	88.79	616.73	0.57	112.66	21.92	60,446.70
Landfill	51.44	81.38	565.28	0.52	103.26	20.09	55,404.06
TOTALS (lbs/day, unmitigated)	411.35	650.19	4,522.22	4.17	824.73	160.46	442,658.63

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Manufacturing		100.00	1000 sq ft	20.00	2,000.00	23,400.00
Wayside Honor Ranch		50.00	acres	30.00	1,500.00	17,550.00
Six Flags Magic Mtn		100.00	acres	240.00	24,000.00	280,800.00
Travel Village		100.00	acres	26.20	2,620.00	30,654.00
Agua Dulce Airport		100.00	acres	55.74	5,574.00	65,215.80
Landfill		100.00	acres	51.09	5,109.00	59,775.30
					40,803.00	477,395.10

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Manufacturing				48.0	24.0	28.0
Wayside Honor Ranch				2.0	1.0	97.0
Six Flags Magic Mtn				2.0	1.0	97.0
Travel Village				2.0	1.0	97.0
Agua Dulce Airport				2.0	1.0	97.0
Landfill				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. GP Non-Res'l.urb924

Project Name: 112-23 Existing GP Non-Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	33.46	43.16	45.42	0.00	0.11	0.11	51,662.38

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	946.34	1,393.97	12,245.11	12.93	2,131.99	414.80	1,264,166.77

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	979.80	1,437.13	12,290.53	12.93	2,132.10	414.91	1,315,829.15

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	3.12	43.04	36.15	0.00	0.08	0.08	51,645.53
Hearth - No Summer Emissions							
Landscape	0.74	0.12	9.27	0.00	0.03	0.03	16.85
Consumer Products	0.00						
Architectural Coatings	29.60						
TOTALS (lbs/day, unmitigated)	33.46	43.16	45.42	0.00	0.11	0.11	51,662.38

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Racquetball/health	43.76	66.08	580.76	0.61	101.06	19.66	59,930.65
High turnover (sit-down) rest.	326.25	499.90	4,393.27	4.64	764.50	148.75	453,355.79
Fast food rest. w/ drive thru	226.07	348.05	3,058.76	3.23	532.28	103.56	315,643.37
Hotel	131.91	184.48	1,621.26	1.71	282.13	54.89	167,303.36
Movie Theater	73.58	76.73	672.90	0.71	117.39	22.84	69,582.41
Car Dealership	144.77	218.73	1,918.16	2.03	334.63	65.10	198,351.19
TOTALS (lbs/day, unmitigated)	946.34	1,393.97	12,245.11	12.93	2,131.99	414.80	1,264,166.77

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Racquetball/health		40.00	1000 sq ft	125.00	5,000.00	58,500.00
High turnover (sit-down) rest.		130.34	1000 sq ft	290.19	37,823.36	442,533.35
Fast food rest. w/ drive thru		496.12	1000 sq ft	53.08	26,334.05	308,108.38
Hotel		8.23	rooms	1,696.00	13,958.08	163,309.52
Movie Theater		1.76	1000 sq ft	3,300.00	5,808.00	67,953.60
Car Dealership		37.50	1000 sq ft	441.50	16,556.25	193,708.12
					105,479.74	1,234,112.97

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Movie Theater				2.0	1.0	97.0
Car Dealership				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112-23 Ex. GP Non-Res'l.urb924

Project Name: 112-23 Existing GP Non-Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	32.72	43.04	36.15	0.00	0.08	0.08	51,645.53

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,079.10	1,680.85	11,691.32	10.77	2,131.99	414.80	1,144,337.67

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,111.82	1,723.89	11,727.47	10.77	2,132.07	414.88	1,195,983.20

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	3.12	43.04	36.15	0.00	0.08	0.08	51,645.53
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	29.60						
TOTALS (lbs/day, unmitigated)	32.72	43.04	36.15	0.00	0.08	0.08	51,645.53

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Racquetball/health	50.66	79.68	554.46	0.51	101.06	19.66	54,250.46
High turnover (sit-down) rest.	381.12	602.78	4,194.31	3.86	764.50	148.75	410,386.97
Fast food rest. w/ drive thru	264.87	419.68	2,920.24	2.69	532.28	103.56	285,726.86
Hotel	145.82	222.45	1,547.84	1.43	282.13	54.89	151,446.44
Movie Theater	69.04	92.52	642.62	0.59	117.39	22.84	62,984.29
Car Dealership	167.59	263.74	1,831.85	1.69	334.63	65.10	179,542.65
TOTALS (lbs/day, unmitigated)	1,079.10	1,680.85	11,691.32	10.77	2,131.99	414.80	1,144,337.67

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Racquetball/health		40.00	1000 sq ft	125.00	5,000.00	58,500.00
High turnover (sit-down) rest.		130.34	1000 sq ft	290.19	37,823.36	442,533.35
Fast food rest. w/ drive thru		496.12	1000 sq ft	53.08	26,334.05	308,108.38
Hotel		8.23	rooms	1,696.00	13,958.08	163,309.52
Movie Theater		1.76	1000 sq ft	3,300.00	5,808.00	67,953.60
Car Dealership		37.50	1000 sq ft	441.50	16,556.25	193,708.12
					105,479.74	1,234,112.97

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Movie Theater				2.0	1.0	97.0
Car Dealership				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Office.urb924

Project Name: 112-23 Existing General Plan Office Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	52.71	55.02	52.33	0.00	0.12	0.12	65,936.68

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	428.29	569.25	4,994.03	5.28	870.85	169.42	516,231.69

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	481.00	624.27	5,046.36	5.28	870.97	169.54	582,168.37

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	3.99	54.94	46.15	0.00	0.10	0.10	65,925.44
Hearth - No Summer Emissions							
Landscape	0.49	0.08	6.18	0.00	0.02	0.02	11.24
Consumer Products	0.00						
Architectural Coatings	48.23						
TOTALS (lbs/day, unmitigated)	52.71	55.02	52.33	0.00	0.12	0.12	65,936.68

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Medical office building	41.49	59.30	521.91	0.55	90.67	17.64	53,783.38
Regional Post Office	21.09	24.02	210.67	0.22	36.75	7.15	21,784.28
Post Office	14.98	22.59	198.12	0.21	34.56	6.72	20,486.56
Commercial Office	350.73	463.34	4,063.33	4.30	708.87	137.91	420,177.47
TOTALS (lbs/day, unmitigated)	428.29	569.25	4,994.03	5.28	870.85	169.42	516,231.69

Operational Settings:

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Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Medical office building		10.88	1000 sq ft	412.29	4,485.72	52,482.87
Regional Post Office		2.38	1000 sq ft	764.00	1,818.32	21,274.34
Post Office		34.20	1000 sq ft	50.00	1,710.00	20,007.00
Commercial Office		5.00	1000 sq ft	7,014.39	35,071.95	410,341.82
					43,085.99	504,106.03

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Medical office building				7.0	3.5	89.5
Regional Post Office				2.0	1.0	97.0
Post Office				2.0	1.0	97.0
Commercial Office				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Office.urb924

Project Name: 112-23 Existing General Plan Office Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	52.22	54.94	46.15	0.00	0.10	0.10	65,925.44

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	459.36	686.40	4,769.06	4.40	870.85	169.42	467,284.34

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	511.58	741.34	4,815.21	4.40	870.95	169.52	533,209.78

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	3.99	54.94	46.15	0.00	0.10	0.10	65,925.44
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	48.23						
TOTALS (lbs/day, unmitigated)	52.22	54.94	46.15	0.00	0.10	0.10	65,925.44

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Medical office building	46.48	71.51	498.17	0.46	90.67	17.64	48,687.44
Regional Post Office	20.74	28.97	201.19	0.19	36.75	7.15	19,718.60
Post Office	17.32	27.24	189.20	0.17	34.56	6.72	18,543.93
Commercial Office	374.82	558.68	3,880.50	3.58	708.87	137.91	380,334.37
TOTALS (lbs/day, unmitigated)	459.36	686.40	4,769.06	4.40	870.85	169.42	467,284.34

Operational Settings:

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Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Medical office building		10.88	1000 sq ft	412.29	4,485.72	52,482.87
Regional Post Office		2.38	1000 sq ft	764.00	1,818.32	21,274.34
Post Office		34.20	1000 sq ft	50.00	1,710.00	20,007.00
Commercial Office		5.00	1000 sq ft	7,014.39	35,071.95	410,341.82
					43,085.99	504,106.03

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Medical office building				7.0	3.5	89.5
Regional Post Office				2.0	1.0	97.0
Post Office				2.0	1.0	97.0
Commercial Office				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Recreation.urb924

Project Name: 112-23 Existing General Plan Recreational

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	325.84	0.06	4.64	0.00	0.02	0.02	8.43

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,214.06	1,847.18	16,199.14	17.15	2,826.04	549.81	1,675,106.19

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,539.90	1,847.24	16,203.78	17.15	2,826.06	549.83	1,675,114.62

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth - No Summer Emissions							
Landscape	0.37	0.06	4.64	0.00	0.02	0.02	8.43
Consumer Products	0.00						
Architectural Coatings	325.47						
TOTALS (lbs/day, unmitigated)	325.84	0.06	4.64	0.00	0.02	0.02	8.43

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Golf Course	1,149.58	1,762.34	15,455.13	16.37	2,696.24	524.55	1,598,170.28
Developed Park	42.00	58.65	514.32	0.54	89.73	17.46	53,184.68
Undeveloped Park	22.48	26.19	229.69	0.24	40.07	7.80	23,751.23
TOTALS (lbs/day, unmitigated)	1,214.06	1,847.18	16,199.14	17.15	2,826.04	549.81	1,675,106.19

Operational Settings:

Does not include correction for passby trips

4/21/2009 1:38:10 PM

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

<u>Summary of Land Uses</u>						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Golf Course		108.19	acres	1,233.00	133,398.27	1,560,759.77
Developed Park		7.96	acres	557.70	4,439.29	51,939.72
Undeveloped Park		2.60	acres	762.50	1,982.50	23,195.25
					139,820.06	1,635,894.74

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Golf Course				2.0	1.0	97.0
Developed Park				2.0	1.0	97.0
Undeveloped Park				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Ex. GP Recreation.urb924

Project Name: 112-23 Existing General Plan Recreational

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	325.47	0.00	0.00	0.00	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,411.47	2,227.29	15,470.23	14.26	2,826.04	549.81	1,516,265.14

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,736.94	2,227.29	15,470.23	14.26	2,826.04	549.81	1,516,265.14

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	325.47						
TOTALS (lbs/day, unmitigated)	325.47	0.00	0.00	0.00	0.00	0.00	0.00

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Golf Course	1,342.72	2,124.99	14,759.70	13.61	2,696.24	524.55	1,446,624.64
Developed Park	46.37	70.72	491.18	0.45	89.73	17.46	48,141.47
Undeveloped Park	22.38	31.58	219.35	0.20	40.07	7.80	21,499.03
TOTALS (lbs/day, unmitigated)	1,411.47	2,227.29	15,470.23	14.26	2,826.04	549.81	1,516,265.14

Operational Settings:

Does not include correction for passby trips

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Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Golf Course		108.19	acres	1,233.00	133,398.27	1,560,759.77
Developed Park		7.96	acres	557.70	4,439.29	51,939.72
Undeveloped Park		2.60	acres	762.50	1,982.50	23,195.25
					139,820.06	1,635,894.74

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.7	11.7	11.7	11.7	11.7	11.7
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Golf Course				2.0	1.0	97.0
Developed Park				2.0	1.0	97.0
Undeveloped Park				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Constr Ex GP Ind'l.urb924
Project Name: 112-23 Construction Emissions Industrial Existing General Plan
Project Location: South Coast AQMD
On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006
Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	537.94	3,917.09	5,027.69	8.63	14,614.03	167.27	14,781.30	3,056.70	153.00	3,209.69	920,113.09
2011 TOTALS (lbs/day unmitigated)	505.89	3,549.41	4,669.75	8.63	14,614.03	150.54	14,764.57	3,056.70	137.58	3,194.28	920,051.10
2012 TOTALS (lbs/day unmitigated)	475.11	3,190.40	4,330.51	8.63	14,614.03	134.82	14,748.84	3,056.70	123.09	3,179.79	920,004.29
2013 TOTALS (lbs/day unmitigated)	445.99	2,845.70	4,005.47	8.63	14,614.03	119.90	14,733.93	3,056.70	109.31	3,166.00	919,984.22
2014 TOTALS (lbs/day unmitigated)	417.81	2,521.74	3,710.03	8.63	14,614.03	106.92	14,720.95	3,056.70	97.38	3,154.07	919,965.89
2015 TOTALS (lbs/day unmitigated)	391.25	2,226.45	3,435.48	8.63	14,614.03	94.91	14,708.93	3,056.70	86.31	3,143.00	919,958.05
2016 TOTALS (lbs/day unmitigated)	369.17	1,981.58	3,199.15	8.63	14,614.03	85.25	14,699.28	3,056.70	77.42	3,134.11	919,932.50

2017 TOTALS (lbs/day unmitigated)	349.92	1,774.03	2,981.79	8.63	14,614.03	76.77	14,690.79	3,056.70	69.61	3,126.31	919,923.13
2018 TOTALS (lbs/day unmitigated)	332.37	1,596.95	2,785.06	8.63	14,614.03	69.76	14,683.79	3,056.70	63.15	3,119.84	919,923.31
2019 TOTALS (lbs/day unmitigated)	317.42	1,445.38	2,605.37	8.63	14,614.03	63.60	14,677.63	3,056.70	57.48	3,114.18	919,929.75
2020 TOTALS (lbs/day unmitigated)	303.47	1,316.00	2,440.46	8.63	14,614.03	58.61	14,672.64	3,056.70	52.89	3,109.58	919,938.94
2021 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2022 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2023 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2024 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2025 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2026 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93
2027 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93
2028 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93

2029 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93
2030 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93

Urbemis 2007 Version 9.2.4
Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Constr Ex GP Ind'l.urb924
Project Name: 112-23 Construction Emissions Industrial Existing General Plan
Project Location: South Coast AQMD
On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006
Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	537.94	3,917.09	5,027.69	8.63	14,614.03	167.27	14,781.30	3,056.70	153.00	3,209.69	920,113.09
2011 TOTALS (lbs/day unmitigated)	505.89	3,549.41	4,669.75	8.63	14,614.03	150.54	14,764.57	3,056.70	137.58	3,194.28	920,051.10
2012 TOTALS (lbs/day unmitigated)	475.11	3,190.40	4,330.51	8.63	14,614.03	134.82	14,748.84	3,056.70	123.09	3,179.79	920,004.29
2013 TOTALS (lbs/day unmitigated)	445.99	2,845.70	4,005.47	8.63	14,614.03	119.90	14,733.93	3,056.70	109.31	3,166.00	919,984.22
2014 TOTALS (lbs/day unmitigated)	417.81	2,521.74	3,710.03	8.63	14,614.03	106.92	14,720.95	3,056.70	97.38	3,154.07	919,965.89
2015 TOTALS (lbs/day unmitigated)	391.25	2,226.45	3,435.48	8.63	14,614.03	94.91	14,708.93	3,056.70	86.31	3,143.00	919,958.05
2016 TOTALS (lbs/day unmitigated)	369.17	1,981.58	3,199.15	8.63	14,614.03	85.25	14,699.28	3,056.70	77.42	3,134.11	919,932.50

2017 TOTALS (lbs/day unmitigated)	349.92	1,774.03	2,981.79	8.63	14,614.03	76.77	14,690.79	3,056.70	69.61	3,126.31	919,923.13
2018 TOTALS (lbs/day unmitigated)	332.37	1,596.95	2,785.06	8.63	14,614.03	69.76	14,683.79	3,056.70	63.15	3,119.84	919,923.31
2019 TOTALS (lbs/day unmitigated)	317.42	1,445.38	2,605.37	8.63	14,614.03	63.60	14,677.63	3,056.70	57.48	3,114.18	919,929.75
2020 TOTALS (lbs/day unmitigated)	303.47	1,316.00	2,440.46	8.63	14,614.03	58.61	14,672.64	3,056.70	52.89	3,109.58	919,938.94
2021 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2022 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2023 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2024 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2025 TOTALS (lbs/day unmitigated)	264.02	982.18	1,851.59	8.62	14,614.03	46.94	14,660.96	3,056.70	42.16	3,098.85	919,996.14
2026 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93
2027 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93
2028 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93

2029 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93
2030 TOTALS (lbs/day unmitigated)	245.58	858.78	1,545.33	8.62	14,614.03	42.86	14,656.89	3,056.70	38.42	3,095.12	920,063.93

**Construction Air Emissions
for Existing General Plan and Area Plan**

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Comm'l.urb924

Project Name: 112-23 OVOV Construction Emissions Commercial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	150.79	665.81	1,173.27	1.30	6,564.35	30.77	6,595.13	1,371.72	28.05	1,399.77
2010 TOTALS (lbs/day mitigated)	150.79	665.81	1,173.27	1.30	1,169.16	30.77	1,199.93	244.99	28.05	273.03
2011 TOTALS (lbs/day unmitigated)	144.14	617.73	1,095.38	1.30	6,564.35	28.35	6,592.71	1,371.72	25.82	1,397.54
2011 TOTALS (lbs/day mitigated)	144.14	617.73	1,095.38	1.30	1,169.16	28.35	1,197.51	244.99	25.82	270.80
2012 TOTALS (lbs/day unmitigated)	138.22	571.11	1,022.66	1.30	6,564.35	26.18	6,590.54	1,371.72	23.81	1,395.53
2012 TOTALS (lbs/day mitigated)	138.22	571.11	1,022.66	1.30	1,169.16	26.18	1,195.34	244.99	23.81	268.80
2013 TOTALS (lbs/day unmitigated)	133.22	526.97	953.89	1.30	6,564.35	24.22	6,588.58	1,371.72	21.99	1,393.71
2013 TOTALS (lbs/day mitigated)	133.22	526.97	953.89	1.30	1,169.16	24.22	1,193.38	244.99	21.99	266.98
2014 TOTALS (lbs/day unmitigated)	127.94	482.50	892.48	1.30	6,564.35	22.35	6,586.71	1,371.72	20.27	1,391.99
2014 TOTALS (lbs/day mitigated)	127.94	482.50	892.48	1.30	1,169.16	22.35	1,191.51	244.99	20.27	265.26
2015 TOTALS (lbs/day unmitigated)	122.69	438.79	834.77	1.30	6,564.35	20.64	6,585.00	1,371.72	18.70	1,390.42
2015 TOTALS (lbs/day mitigated)	122.69	438.79	834.77	1.30	1,169.16	20.64	1,189.80	244.99	18.70	263.69
2016 TOTALS (lbs/day unmitigated)	118.12	400.10	784.29	1.30	6,564.35	19.04	6,583.40	1,371.72	17.23	1,388.95
2016 TOTALS (lbs/day mitigated)	118.12	400.10	784.29	1.30	1,169.16	19.04	1,188.20	244.99	17.23	262.21
2017 TOTALS (lbs/day unmitigated)	114.06	364.51	736.27	1.30	6,564.35	17.47	6,581.82	1,371.72	15.78	1,387.50
2017 TOTALS (lbs/day mitigated)	114.06	364.51	736.27	1.30	1,169.16	17.47	1,186.63	244.99	15.78	260.76
2018 TOTALS (lbs/day unmitigated)	109.91	331.97	692.67	1.30	6,564.35	16.03	6,580.38	1,371.72	14.44	1,386.16
2018 TOTALS (lbs/day mitigated)	109.91	331.97	692.67	1.30	1,169.16	16.03	1,185.19	244.99	14.44	259.43
2019 TOTALS (lbs/day unmitigated)	106.58	302.76	652.09	1.30	6,564.35	14.64	6,578.99	1,371.72	13.16	1,384.88
2019 TOTALS (lbs/day mitigated)	106.58	302.76	652.09	1.30	1,169.16	14.64	1,183.80	244.99	13.16	258.15

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Comm'l.urb924

Project Name: 112-23 OVOV Construction Emissions Commercial

2020 TOTALS (lbs/day unmitigated)	103.00	276.32	614.48	1.30	6,564.35	13.49	6,577.84	1,371.72	12.11	1,383.83
2020 TOTALS (lbs/day mitigated)	103.00	276.32	614.48	1.30	1,169.16	13.49	1,182.65	244.99	12.11	257.09
2021 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2021 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2022 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2022 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2023 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2023 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2024 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2024 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2025 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2025 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2026 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2026 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2027 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2027 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2028 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2028 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2029 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2029 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2030 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2030 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Comm'l.urb924

Project Name: 112-23 OVOV Construction Emissions Commercial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	150.79	665.81	1,173.27	1.30	6,564.35	30.77	6,595.13	1,371.72	28.05	1,399.77
2010 TOTALS (lbs/day mitigated)	150.79	665.81	1,173.27	1.30	1,169.16	30.77	1,199.93	244.99	28.05	273.03
2011 TOTALS (lbs/day unmitigated)	144.14	617.73	1,095.38	1.30	6,564.35	28.35	6,592.71	1,371.72	25.82	1,397.54
2011 TOTALS (lbs/day mitigated)	144.14	617.73	1,095.38	1.30	1,169.16	28.35	1,197.51	244.99	25.82	270.80
2012 TOTALS (lbs/day unmitigated)	138.22	571.11	1,022.66	1.30	6,564.35	26.18	6,590.54	1,371.72	23.81	1,395.53
2012 TOTALS (lbs/day mitigated)	138.22	571.11	1,022.66	1.30	1,169.16	26.18	1,195.34	244.99	23.81	268.80
2013 TOTALS (lbs/day unmitigated)	133.22	526.97	953.89	1.30	6,564.35	24.22	6,588.58	1,371.72	21.99	1,393.71
2013 TOTALS (lbs/day mitigated)	133.22	526.97	953.89	1.30	1,169.16	24.22	1,193.38	244.99	21.99	266.98
2014 TOTALS (lbs/day unmitigated)	127.94	482.50	892.48	1.30	6,564.35	22.35	6,586.71	1,371.72	20.27	1,391.99
2014 TOTALS (lbs/day mitigated)	127.94	482.50	892.48	1.30	1,169.16	22.35	1,191.51	244.99	20.27	265.26
2015 TOTALS (lbs/day unmitigated)	122.69	438.79	834.77	1.30	6,564.35	20.64	6,585.00	1,371.72	18.70	1,390.42
2015 TOTALS (lbs/day mitigated)	122.69	438.79	834.77	1.30	1,169.16	20.64	1,189.80	244.99	18.70	263.69
2016 TOTALS (lbs/day unmitigated)	118.12	400.10	784.29	1.30	6,564.35	19.04	6,583.40	1,371.72	17.23	1,388.95
2016 TOTALS (lbs/day mitigated)	118.12	400.10	784.29	1.30	1,169.16	19.04	1,188.20	244.99	17.23	262.21
2017 TOTALS (lbs/day unmitigated)	114.06	364.51	736.27	1.30	6,564.35	17.47	6,581.82	1,371.72	15.78	1,387.50
2017 TOTALS (lbs/day mitigated)	114.06	364.51	736.27	1.30	1,169.16	17.47	1,186.63	244.99	15.78	260.76
2018 TOTALS (lbs/day unmitigated)	109.91	331.97	692.67	1.30	6,564.35	16.03	6,580.38	1,371.72	14.44	1,386.16
2018 TOTALS (lbs/day mitigated)	109.91	331.97	692.67	1.30	1,169.16	16.03	1,185.19	244.99	14.44	259.43
2019 TOTALS (lbs/day unmitigated)	106.58	302.76	652.09	1.30	6,564.35	14.64	6,578.99	1,371.72	13.16	1,384.88
2019 TOTALS (lbs/day mitigated)	106.58	302.76	652.09	1.30	1,169.16	14.64	1,183.80	244.99	13.16	258.15

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Comm'l.urb924

Project Name: 112-23 OVOV Construction Emissions Commercial

2020 TOTALS (lbs/day unmitigated)	103.00	276.32	614.48	1.30	6,564.35	13.49	6,577.84	1,371.72	12.11	1,383.83
2020 TOTALS (lbs/day mitigated)	103.00	276.32	614.48	1.30	1,169.16	13.49	1,182.65	244.99	12.11	257.09
2021 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2021 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2022 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2022 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2023 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2023 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2024 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2024 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2025 TOTALS (lbs/day unmitigated)	97.55	253.02	485.59	1.30	6,564.35	12.88	6,577.23	1,371.72	11.54	1,383.26
2025 TOTALS (lbs/day mitigated)	97.55	253.02	485.59	1.30	1,169.16	12.88	1,182.04	244.99	11.54	256.53
2026 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2026 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2027 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2027 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2028 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2028 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2029 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2029 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33
2030 TOTALS (lbs/day unmitigated)	94.55	243.21	415.73	1.30	6,564.35	12.66	6,577.02	1,371.72	11.35	1,383.07
2030 TOTALS (lbs/day mitigated)	94.55	243.21	415.73	1.30	1,169.16	12.66	1,181.82	244.99	11.35	256.33

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Ind\l.urb924

Project Name: 112-23 OVOV Construction Emissions Industrial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	461.90	3,201.21	4,139.35	6.89	13,612.73	137.07	13,749.81	2,846.64	125.27	2,971.90
2010 TOTALS (lbs/day mitigated)	461.90	3,201.21	4,139.35	6.89	2,437.37	137.07	2,574.44	512.77	125.27	638.04
2011 TOTALS (lbs/day unmitigated)	435.28	2,904.24	3,846.05	6.89	13,612.73	123.50	13,736.23	2,846.64	112.76	2,959.40
2011 TOTALS (lbs/day mitigated)	435.28	2,904.24	3,846.05	6.89	2,437.37	123.50	2,560.87	512.77	112.76	625.53
2012 TOTALS (lbs/day unmitigated)	409.81	2,614.32	3,568.21	6.89	13,612.73	110.76	13,723.49	2,846.64	101.02	2,947.66
2012 TOTALS (lbs/day mitigated)	409.81	2,614.32	3,568.21	6.89	2,437.37	110.76	2,548.13	512.77	101.02	613.79
2013 TOTALS (lbs/day unmitigated)	385.88	2,336.09	3,302.06	6.89	13,612.73	98.70	13,711.44	2,846.64	89.87	2,936.51
2013 TOTALS (lbs/day mitigated)	385.88	2,336.09	3,302.06	6.89	2,437.37	98.70	2,536.07	512.77	89.87	602.65
2014 TOTALS (lbs/day unmitigated)	362.59	2,073.83	3,060.28	6.89	13,612.73	88.14	13,700.88	2,846.64	80.16	2,926.80
2014 TOTALS (lbs/day mitigated)	362.59	2,073.83	3,060.28	6.89	2,437.37	88.14	2,525.51	512.77	80.16	592.94
2015 TOTALS (lbs/day unmitigated)	340.59	1,834.06	2,835.39	6.89	13,612.73	78.40	13,691.13	2,846.64	71.18	2,917.82
2015 TOTALS (lbs/day mitigated)	340.59	1,834.06	2,835.39	6.89	2,437.37	78.40	2,515.77	512.77	71.18	583.96
2016 TOTALS (lbs/day unmitigated)	322.23	1,634.65	2,641.59	6.89	13,612.73	70.52	13,683.26	2,846.64	63.94	2,910.57
2016 TOTALS (lbs/day mitigated)	322.23	1,634.65	2,641.59	6.89	2,437.37	70.52	2,507.89	512.77	63.94	576.71
2017 TOTALS (lbs/day unmitigated)	306.19	1,464.97	2,463.06	6.89	13,612.73	63.56	13,676.29	2,846.64	57.53	2,904.16
2017 TOTALS (lbs/day mitigated)	306.19	1,464.97	2,463.06	6.89	2,437.37	63.56	2,500.93	512.77	57.53	570.30
2018 TOTALS (lbs/day unmitigated)	291.47	1,319.69	2,301.46	6.89	13,612.73	57.77	13,670.51	2,846.64	52.18	2,898.82
2018 TOTALS (lbs/day mitigated)	291.47	1,319.69	2,301.46	6.89	2,437.37	57.77	2,495.14	512.77	52.18	564.96
2019 TOTALS (lbs/day unmitigated)	278.94	1,195.02	2,153.71	6.89	13,612.73	52.65	13,665.39	2,846.64	47.47	2,894.11

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Ind'l.urb924

Project Name: 112-23 OVOV Construction Emissions Industrial

2019 TOTALS (lbs/day mitigated)	278.94	1,195.02	2,153.71	6.89	2,437.37	52.65	2,490.02	512.77	47.47	560.25
2020 TOTALS (lbs/day unmitigated)	267.20	1,088.24	2,018.08	6.89	13,612.73	48.51	13,661.25	2,846.64	43.66	2,890.30
2020 TOTALS (lbs/day mitigated)	267.20	1,088.24	2,018.08	6.89	2,437.37	48.51	2,485.88	512.77	43.66	556.44
2021 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2021 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2022 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2022 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2023 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2023 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2024 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2024 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2025 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2025 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2026 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2026 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2027 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2027 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2028 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2028 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2029 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2029 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2030 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2030 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Ind'l.urb924

Project Name: 112-23 OVOV Construction Emissions Industrial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	461.90	3,201.21	4,139.35	6.89	13,612.73	137.07	13,749.81	2,846.64	125.27	2,971.90
2010 TOTALS (lbs/day mitigated)	461.90	3,201.21	4,139.35	6.89	2,437.37	137.07	2,574.44	512.77	125.27	638.04
2011 TOTALS (lbs/day unmitigated)	435.28	2,904.24	3,846.05	6.89	13,612.73	123.50	13,736.23	2,846.64	112.76	2,959.40
2011 TOTALS (lbs/day mitigated)	435.28	2,904.24	3,846.05	6.89	2,437.37	123.50	2,560.87	512.77	112.76	625.53
2012 TOTALS (lbs/day unmitigated)	409.81	2,614.32	3,568.21	6.89	13,612.73	110.76	13,723.49	2,846.64	101.02	2,947.66
2012 TOTALS (lbs/day mitigated)	409.81	2,614.32	3,568.21	6.89	2,437.37	110.76	2,548.13	512.77	101.02	613.79
2013 TOTALS (lbs/day unmitigated)	385.88	2,336.09	3,302.06	6.89	13,612.73	98.70	13,711.44	2,846.64	89.87	2,936.51
2013 TOTALS (lbs/day mitigated)	385.88	2,336.09	3,302.06	6.89	2,437.37	98.70	2,536.07	512.77	89.87	602.65
2014 TOTALS (lbs/day unmitigated)	362.59	2,073.83	3,060.28	6.89	13,612.73	88.14	13,700.88	2,846.64	80.16	2,926.80
2014 TOTALS (lbs/day mitigated)	362.59	2,073.83	3,060.28	6.89	2,437.37	88.14	2,525.51	512.77	80.16	592.94
2015 TOTALS (lbs/day unmitigated)	340.59	1,834.06	2,835.39	6.89	13,612.73	78.40	13,691.13	2,846.64	71.18	2,917.82
2015 TOTALS (lbs/day mitigated)	340.59	1,834.06	2,835.39	6.89	2,437.37	78.40	2,515.77	512.77	71.18	583.96
2016 TOTALS (lbs/day unmitigated)	322.23	1,634.65	2,641.59	6.89	13,612.73	70.52	13,683.26	2,846.64	63.94	2,910.57
2016 TOTALS (lbs/day mitigated)	322.23	1,634.65	2,641.59	6.89	2,437.37	70.52	2,507.89	512.77	63.94	576.71
2017 TOTALS (lbs/day unmitigated)	306.19	1,464.97	2,463.06	6.89	13,612.73	63.56	13,676.29	2,846.64	57.53	2,904.16
2017 TOTALS (lbs/day mitigated)	306.19	1,464.97	2,463.06	6.89	2,437.37	63.56	2,500.93	512.77	57.53	570.30
2018 TOTALS (lbs/day unmitigated)	291.47	1,319.69	2,301.46	6.89	13,612.73	57.77	13,670.51	2,846.64	52.18	2,898.82
2018 TOTALS (lbs/day mitigated)	291.47	1,319.69	2,301.46	6.89	2,437.37	57.77	2,495.14	512.77	52.18	564.96
2019 TOTALS (lbs/day unmitigated)	278.94	1,195.02	2,153.71	6.89	13,612.73	52.65	13,665.39	2,846.64	47.47	2,894.11
2019 TOTALS (lbs/day mitigated)	278.94	1,195.02	2,153.71	6.89	2,437.37	52.65	2,490.02	512.77	47.47	560.25

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Ind'l.urb924

Project Name: 112-23 OVOV Construction Emissions Industrial

2020 TOTALS (lbs/day unmitigated)	267.20	1,088.24	2,018.08	6.89	13,612.73	48.51	13,661.25	2,846.64	43.66	2,890.30
2020 TOTALS (lbs/day mitigated)	267.20	1,088.24	2,018.08	6.89	2,437.37	48.51	2,485.88	512.77	43.66	556.44
2021 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2021 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2022 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2022 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2023 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2023 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2024 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2024 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2025 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82
2025 TOTALS (lbs/day mitigated)	234.93	823.42	1,535.53	6.88	2,437.37	39.29	2,476.66	512.77	35.19	547.96
2026 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2026 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2027 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2027 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2028 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2028 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2029 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2029 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01
2030 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87
2030 TOTALS (lbs/day mitigated)	219.70	725.29	1,283.90	6.88	2,437.37	36.07	2,473.44	512.77	32.24	545.01

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Insti'l.urb924

Project Name: 112-23 OVOV Construction Emissions Institutional

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	70.26	372.40	475.91	0.44	2,183.07	19.10	2,202.17	456.19	17.48	473.67
2010 TOTALS (lbs/day mitigated)	70.26	372.40	475.91	0.44	388.84	19.10	407.94	81.48	17.48	98.97
2011 TOTALS (lbs/day unmitigated)	66.78	347.17	446.86	0.44	2,183.07	17.73	2,200.80	456.19	16.22	472.41
2011 TOTALS (lbs/day mitigated)	66.78	347.17	446.86	0.44	388.84	17.73	406.57	81.48	16.22	97.70
2012 TOTALS (lbs/day unmitigated)	63.65	322.71	419.92	0.44	2,183.07	16.30	2,199.37	456.19	14.90	471.09
2012 TOTALS (lbs/day mitigated)	63.65	322.71	419.92	0.44	388.84	16.30	405.14	81.48	14.90	96.38
2013 TOTALS (lbs/day unmitigated)	61.03	299.62	394.45	0.44	2,183.07	15.02	2,198.09	456.19	13.72	469.91
2013 TOTALS (lbs/day mitigated)	61.03	299.62	394.45	0.44	388.84	15.02	403.86	81.48	13.72	95.20
2014 TOTALS (lbs/day unmitigated)	58.23	276.23	371.82	0.44	2,183.07	13.70	2,196.77	456.19	12.50	468.69
2014 TOTALS (lbs/day mitigated)	58.23	276.23	371.82	0.44	388.84	13.70	402.54	81.48	12.50	93.98
2015 TOTALS (lbs/day unmitigated)	55.41	252.15	350.49	0.44	2,183.07	12.62	2,195.69	456.19	11.52	467.70
2015 TOTALS (lbs/day mitigated)	55.41	252.15	350.49	0.44	388.84	12.62	401.46	81.48	11.52	93.00
2016 TOTALS (lbs/day unmitigated)	52.93	230.49	331.95	0.44	2,183.07	11.47	2,194.54	456.19	10.45	466.64
2016 TOTALS (lbs/day mitigated)	52.93	230.49	331.95	0.44	388.84	11.47	400.31	81.48	10.45	91.93
2017 TOTALS (lbs/day unmitigated)	50.71	210.39	314.31	0.44	2,183.07	10.42	2,193.49	456.19	9.49	465.68
2017 TOTALS (lbs/day mitigated)	50.71	210.39	314.31	0.44	388.84	10.42	399.26	81.48	9.49	90.97
2018 TOTALS (lbs/day unmitigated)	48.40	191.79	298.42	0.44	2,183.07	9.44	2,192.51	456.19	8.58	464.77
2018 TOTALS (lbs/day mitigated)	48.40	191.79	298.42	0.44	388.84	9.44	398.28	81.48	8.58	90.06
2019 TOTALS (lbs/day unmitigated)	46.53	175.00	283.61	0.44	2,183.07	8.47	2,191.54	456.19	7.69	463.88
2019 TOTALS (lbs/day mitigated)	46.53	175.00	283.61	0.44	388.84	8.47	397.31	81.48	7.69	89.17

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Insti'l.urb924

Project Name: 112-23 OVOV Construction Emissions Institutional

2020 TOTALS (lbs/day unmitigated)	44.57	159.81	270.07	0.44	2,183.07	7.74	2,190.81	456.19	7.02	463.21
2020 TOTALS (lbs/day mitigated)	44.57	159.81	270.07	0.44	388.84	7.74	396.58	81.48	7.02	88.50
2021 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2021 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2022 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2022 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2023 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2023 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2024 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2024 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2025 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2025 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2026 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2026 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2027 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2027 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2028 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2028 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2029 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2029 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2030 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2030 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Inst'l.urb924

Project Name: 112-23 OVOV Construction Emissions Institutional

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	70.26	372.40	475.91	0.44	2,183.07	19.10	2,202.17	456.19	17.48	473.67
2010 TOTALS (lbs/day mitigated)	70.26	372.40	475.91	0.44	388.84	19.10	407.94	81.48	17.48	98.97
2011 TOTALS (lbs/day unmitigated)	66.78	347.17	446.86	0.44	2,183.07	17.73	2,200.80	456.19	16.22	472.41
2011 TOTALS (lbs/day mitigated)	66.78	347.17	446.86	0.44	388.84	17.73	406.57	81.48	16.22	97.70
2012 TOTALS (lbs/day unmitigated)	63.65	322.71	419.92	0.44	2,183.07	16.30	2,199.37	456.19	14.90	471.09
2012 TOTALS (lbs/day mitigated)	63.65	322.71	419.92	0.44	388.84	16.30	405.14	81.48	14.90	96.38
2013 TOTALS (lbs/day unmitigated)	61.03	299.62	394.45	0.44	2,183.07	15.02	2,198.09	456.19	13.72	469.91
2013 TOTALS (lbs/day mitigated)	61.03	299.62	394.45	0.44	388.84	15.02	403.86	81.48	13.72	95.20
2014 TOTALS (lbs/day unmitigated)	58.23	276.23	371.82	0.44	2,183.07	13.70	2,196.77	456.19	12.50	468.69
2014 TOTALS (lbs/day mitigated)	58.23	276.23	371.82	0.44	388.84	13.70	402.54	81.48	12.50	93.98
2015 TOTALS (lbs/day unmitigated)	55.41	252.15	350.49	0.44	2,183.07	12.62	2,195.69	456.19	11.52	467.70
2015 TOTALS (lbs/day mitigated)	55.41	252.15	350.49	0.44	388.84	12.62	401.46	81.48	11.52	93.00
2016 TOTALS (lbs/day unmitigated)	52.93	230.49	331.95	0.44	2,183.07	11.47	2,194.54	456.19	10.45	466.64
2016 TOTALS (lbs/day mitigated)	52.93	230.49	331.95	0.44	388.84	11.47	400.31	81.48	10.45	91.93
2017 TOTALS (lbs/day unmitigated)	50.71	210.39	314.31	0.44	2,183.07	10.42	2,193.49	456.19	9.49	465.68
2017 TOTALS (lbs/day mitigated)	50.71	210.39	314.31	0.44	388.84	10.42	399.26	81.48	9.49	90.97
2018 TOTALS (lbs/day unmitigated)	48.40	191.79	298.42	0.44	2,183.07	9.44	2,192.51	456.19	8.58	464.77
2018 TOTALS (lbs/day mitigated)	48.40	191.79	298.42	0.44	388.84	9.44	398.28	81.48	8.58	90.06
2019 TOTALS (lbs/day unmitigated)	46.53	175.00	283.61	0.44	2,183.07	8.47	2,191.54	456.19	7.69	463.88
2019 TOTALS (lbs/day mitigated)	46.53	175.00	283.61	0.44	388.84	8.47	397.31	81.48	7.69	89.17

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Insti'l.urb924

Project Name: 112-23 OVOV Construction Emissions Institutional

2020 TOTALS (lbs/day unmitigated)	44.57	159.81	270.07	0.44	2,183.07	7.74	2,190.81	456.19	7.02	463.21
2020 TOTALS (lbs/day mitigated)	44.57	159.81	270.07	0.44	388.84	7.74	396.58	81.48	7.02	88.50
2021 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2021 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2022 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2022 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2023 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2023 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2024 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2024 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2025 TOTALS (lbs/day unmitigated)	42.74	152.03	226.62	0.44	2,183.07	7.54	2,190.61	456.19	6.83	463.02
2025 TOTALS (lbs/day mitigated)	42.74	152.03	226.62	0.44	388.84	7.54	396.38	81.48	6.83	88.32
2026 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2026 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2027 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2027 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2028 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2028 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2029 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2029 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25
2030 TOTALS (lbs/day unmitigated)	41.73	148.75	203.06	0.44	2,183.07	7.47	2,190.54	456.19	6.77	462.96
2030 TOTALS (lbs/day mitigated)	41.73	148.75	203.06	0.44	388.84	7.47	396.31	81.48	6.77	88.25

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Non-Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Non Residential

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	35.31	213.40	202.11	0.13	625.76	12.27	638.03	130.77	11.27	142.03
2010 TOTALS (lbs/day mitigated)	35.31	213.40	202.11	0.13	111.47	12.27	123.75	23.36	11.27	34.63
2011 TOTALS (lbs/day unmitigated)	33.41	199.54	192.18	0.13	625.76	11.57	637.33	130.77	10.62	141.38
2011 TOTALS (lbs/day mitigated)	33.41	199.54	192.18	0.13	111.47	11.57	123.04	23.36	10.62	33.98
2012 TOTALS (lbs/day unmitigated)	31.59	186.28	183.18	0.13	625.76	10.56	636.32	130.77	9.69	140.46
2012 TOTALS (lbs/day mitigated)	31.59	186.28	183.18	0.13	111.47	10.56	122.04	23.36	9.69	33.05
2013 TOTALS (lbs/day unmitigated)	29.99	173.72	174.66	0.13	625.76	9.70	635.46	130.77	8.90	139.66
2013 TOTALS (lbs/day mitigated)	29.99	173.72	174.66	0.13	111.47	9.70	121.18	23.36	8.90	32.26
2014 TOTALS (lbs/day unmitigated)	28.37	161.16	166.92	0.13	625.76	8.72	634.48	130.77	8.00	138.76
2014 TOTALS (lbs/day mitigated)	28.37	161.16	166.92	0.13	111.47	8.72	120.20	23.36	8.00	31.36
2015 TOTALS (lbs/day unmitigated)	26.68	147.30	159.66	0.13	625.76	8.03	633.79	130.77	7.36	138.13
2015 TOTALS (lbs/day mitigated)	26.68	147.30	159.66	0.13	111.47	8.03	119.51	23.36	7.36	30.72
2016 TOTALS (lbs/day unmitigated)	25.23	134.68	153.31	0.13	625.76	7.23	632.99	130.77	6.62	137.39
2016 TOTALS (lbs/day mitigated)	25.23	134.68	153.31	0.13	111.47	7.23	118.70	23.36	6.62	29.98
2017 TOTALS (lbs/day unmitigated)	23.99	122.88	147.34	0.13	625.76	6.53	632.28	130.77	5.97	136.74
2017 TOTALS (lbs/day mitigated)	23.99	122.88	147.34	0.13	111.47	6.53	118.00	23.36	5.97	29.34
2018 TOTALS (lbs/day unmitigated)	22.60	111.96	141.89	0.13	625.76	5.85	631.61	130.77	5.36	136.12
2018 TOTALS (lbs/day mitigated)	22.60	111.96	141.89	0.13	111.47	5.85	117.33	23.36	5.36	28.72
2019 TOTALS (lbs/day unmitigated)	21.37	102.04	136.86	0.13	625.76	5.20	630.95	130.77	4.75	135.51
2019 TOTALS (lbs/day mitigated)	21.37	102.04	136.86	0.13	111.47	5.20	116.67	23.36	4.75	28.11

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Non-Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Non Residential

2020 TOTALS (lbs/day unmitigated)	20.28	93.17	132.35	0.13	625.76	4.77	630.52	130.77	4.35	135.12
2020 TOTALS (lbs/day mitigated)	20.28	93.17	132.35	0.13	111.47	4.77	116.24	23.36	4.35	27.72
2021 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2021 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2022 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2022 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2023 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2023 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2024 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2024 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2025 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2025 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2026 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2026 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2027 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2027 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2028 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2028 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2029 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2029 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2030 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2030 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Non-Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Non Residential

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	35.31	213.40	202.11	0.13	625.76	12.27	638.03	130.77	11.27	142.03
2010 TOTALS (lbs/day mitigated)	35.31	213.40	202.11	0.13	111.47	12.27	123.75	23.36	11.27	34.63
2011 TOTALS (lbs/day unmitigated)	33.41	199.54	192.18	0.13	625.76	11.57	637.33	130.77	10.62	141.38
2011 TOTALS (lbs/day mitigated)	33.41	199.54	192.18	0.13	111.47	11.57	123.04	23.36	10.62	33.98
2012 TOTALS (lbs/day unmitigated)	31.59	186.28	183.18	0.13	625.76	10.56	636.32	130.77	9.69	140.46
2012 TOTALS (lbs/day mitigated)	31.59	186.28	183.18	0.13	111.47	10.56	122.04	23.36	9.69	33.05
2013 TOTALS (lbs/day unmitigated)	29.99	173.72	174.66	0.13	625.76	9.70	635.46	130.77	8.90	139.66
2013 TOTALS (lbs/day mitigated)	29.99	173.72	174.66	0.13	111.47	9.70	121.18	23.36	8.90	32.26
2014 TOTALS (lbs/day unmitigated)	28.37	161.16	166.92	0.13	625.76	8.72	634.48	130.77	8.00	138.76
2014 TOTALS (lbs/day mitigated)	28.37	161.16	166.92	0.13	111.47	8.72	120.20	23.36	8.00	31.36
2015 TOTALS (lbs/day unmitigated)	26.68	147.30	159.66	0.13	625.76	8.03	633.79	130.77	7.36	138.13
2015 TOTALS (lbs/day mitigated)	26.68	147.30	159.66	0.13	111.47	8.03	119.51	23.36	7.36	30.72
2016 TOTALS (lbs/day unmitigated)	25.23	134.68	153.31	0.13	625.76	7.23	632.99	130.77	6.62	137.39
2016 TOTALS (lbs/day mitigated)	25.23	134.68	153.31	0.13	111.47	7.23	118.70	23.36	6.62	29.98
2017 TOTALS (lbs/day unmitigated)	23.99	122.88	147.34	0.13	625.76	6.53	632.28	130.77	5.97	136.74
2017 TOTALS (lbs/day mitigated)	23.99	122.88	147.34	0.13	111.47	6.53	118.00	23.36	5.97	29.34
2018 TOTALS (lbs/day unmitigated)	22.60	111.96	141.89	0.13	625.76	5.85	631.61	130.77	5.36	136.12
2018 TOTALS (lbs/day mitigated)	22.60	111.96	141.89	0.13	111.47	5.85	117.33	23.36	5.36	28.72
2019 TOTALS (lbs/day unmitigated)	21.37	102.04	136.86	0.13	625.76	5.20	630.95	130.77	4.75	135.51

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Non-Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Non Residential

2019 TOTALS (lbs/day mitigated)	21.37	102.04	136.86	0.13	111.47	5.20	116.67	23.36	4.75	28.11
2020 TOTALS (lbs/day unmitigated)	20.28	93.17	132.35	0.13	625.76	4.77	630.52	130.77	4.35	135.12
2020 TOTALS (lbs/day mitigated)	20.28	93.17	132.35	0.13	111.47	4.77	116.24	23.36	4.35	27.72
2021 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2021 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2022 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2022 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2023 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2023 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2024 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2024 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2025 TOTALS (lbs/day unmitigated)	19.73	90.91	119.33	0.13	625.76	4.71	630.46	130.77	4.30	135.07
2025 TOTALS (lbs/day mitigated)	19.73	90.91	119.33	0.13	111.47	4.71	116.18	23.36	4.30	27.66
2026 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2026 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2027 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2027 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2028 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2028 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2029 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2029 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64
2030 TOTALS (lbs/day unmitigated)	19.43	89.95	112.28	0.13	625.76	4.69	630.44	130.77	4.28	135.05
2030 TOTALS (lbs/day mitigated)	19.43	89.95	112.28	0.13	111.47	4.69	116.16	23.36	4.28	27.64

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Office.urb924

Project Name: 112-23 OVOV Construction Emissions Office

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	103.51	515.22	745.24	0.75	3,760.00	24.96	3,784.96	785.71	22.81	808.52
2010 TOTALS (lbs/day mitigated)	103.51	515.22	745.24	0.75	669.70	24.96	694.66	140.33	22.81	163.14
2011 TOTALS (lbs/day unmitigated)	98.66	479.46	697.77	0.75	3,760.00	23.11	3,783.11	785.71	21.11	806.82
2011 TOTALS (lbs/day mitigated)	98.66	479.46	697.77	0.75	669.70	23.11	692.81	140.33	21.11	161.44
2012 TOTALS (lbs/day unmitigated)	94.34	444.84	653.62	0.75	3,760.00	21.29	3,781.29	785.71	19.43	805.14
2012 TOTALS (lbs/day mitigated)	94.34	444.84	653.62	0.75	669.70	21.29	690.99	140.33	19.43	159.76
2013 TOTALS (lbs/day unmitigated)	90.68	412.13	611.90	0.75	3,760.00	19.66	3,779.66	785.71	17.92	803.63
2013 TOTALS (lbs/day mitigated)	90.68	412.13	611.90	0.75	669.70	19.66	689.36	140.33	17.92	158.25
2014 TOTALS (lbs/day unmitigated)	86.80	378.92	574.70	0.75	3,760.00	18.01	3,778.01	785.71	16.40	802.11
2014 TOTALS (lbs/day mitigated)	86.80	378.92	574.70	0.75	669.70	18.01	687.71	140.33	16.40	156.73
2015 TOTALS (lbs/day unmitigated)	82.89	345.42	539.70	0.75	3,760.00	16.62	3,776.62	785.71	15.12	800.83
2015 TOTALS (lbs/day mitigated)	82.89	345.42	539.70	0.75	669.70	16.62	686.32	140.33	15.12	155.45
2016 TOTALS (lbs/day unmitigated)	79.48	315.47	509.16	0.75	3,760.00	15.24	3,775.24	785.71	13.85	799.56
2016 TOTALS (lbs/day mitigated)	79.48	315.47	509.16	0.75	669.70	15.24	684.94	140.33	13.85	154.18
2017 TOTALS (lbs/day unmitigated)	76.48	287.70	480.10	0.75	3,760.00	13.90	3,773.90	785.71	12.62	798.33
2017 TOTALS (lbs/day mitigated)	76.48	287.70	480.10	0.75	669.70	13.90	683.60	140.33	12.62	152.95
2018 TOTALS (lbs/day unmitigated)	73.31	262.17	453.83	0.75	3,760.00	12.66	3,772.66	785.71	11.47	797.19
2018 TOTALS (lbs/day mitigated)	73.31	262.17	453.83	0.75	669.70	12.66	682.36	140.33	11.47	151.81
2019 TOTALS (lbs/day unmitigated)	70.74	239.11	429.37	0.75	3,760.00	11.46	3,771.46	785.71	10.37	796.08
2019 TOTALS (lbs/day mitigated)	70.74	239.11	429.37	0.75	669.70	11.46	681.16	140.33	10.37	150.70

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Office.urb924

Project Name: 112-23 OVOV Construction Emissions Office

2020 TOTALS (lbs/day unmitigated)	68.08	218.23	406.85	0.75	3,760.00	10.52	3,770.52	785.71	9.50	795.21
2020 TOTALS (lbs/day mitigated)	68.08	218.23	406.85	0.75	669.70	10.52	680.22	140.33	9.50	149.83
2021 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2021 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2022 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2022 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2023 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2023 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2024 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2024 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2025 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2025 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2026 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2026 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2027 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2027 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2028 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2028 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2029 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2029 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2030 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2030 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Office.urb924

Project Name: 112-23 OVOV Construction Emissions Office

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	103.51	515.22	745.24	0.75	3,760.00	24.96	3,784.96	785.71	22.81	808.52
2010 TOTALS (lbs/day mitigated)	103.51	515.22	745.24	0.75	669.70	24.96	694.66	140.33	22.81	163.14
2011 TOTALS (lbs/day unmitigated)	98.66	479.46	697.77	0.75	3,760.00	23.11	3,783.11	785.71	21.11	806.82
2011 TOTALS (lbs/day mitigated)	98.66	479.46	697.77	0.75	669.70	23.11	692.81	140.33	21.11	161.44
2012 TOTALS (lbs/day unmitigated)	94.34	444.84	653.62	0.75	3,760.00	21.29	3,781.29	785.71	19.43	805.14
2012 TOTALS (lbs/day mitigated)	94.34	444.84	653.62	0.75	669.70	21.29	690.99	140.33	19.43	159.76
2013 TOTALS (lbs/day unmitigated)	90.68	412.13	611.90	0.75	3,760.00	19.66	3,779.66	785.71	17.92	803.63
2013 TOTALS (lbs/day mitigated)	90.68	412.13	611.90	0.75	669.70	19.66	689.36	140.33	17.92	158.25
2014 TOTALS (lbs/day unmitigated)	86.80	378.92	574.70	0.75	3,760.00	18.01	3,778.01	785.71	16.40	802.11
2014 TOTALS (lbs/day mitigated)	86.80	378.92	574.70	0.75	669.70	18.01	687.71	140.33	16.40	156.73
2015 TOTALS (lbs/day unmitigated)	82.89	345.42	539.70	0.75	3,760.00	16.62	3,776.62	785.71	15.12	800.83
2015 TOTALS (lbs/day mitigated)	82.89	345.42	539.70	0.75	669.70	16.62	686.32	140.33	15.12	155.45
2016 TOTALS (lbs/day unmitigated)	79.48	315.47	509.16	0.75	3,760.00	15.24	3,775.24	785.71	13.85	799.56
2016 TOTALS (lbs/day mitigated)	79.48	315.47	509.16	0.75	669.70	15.24	684.94	140.33	13.85	154.18
2017 TOTALS (lbs/day unmitigated)	76.48	287.70	480.10	0.75	3,760.00	13.90	3,773.90	785.71	12.62	798.33
2017 TOTALS (lbs/day mitigated)	76.48	287.70	480.10	0.75	669.70	13.90	683.60	140.33	12.62	152.95
2018 TOTALS (lbs/day unmitigated)	73.31	262.17	453.83	0.75	3,760.00	12.66	3,772.66	785.71	11.47	797.19
2018 TOTALS (lbs/day mitigated)	73.31	262.17	453.83	0.75	669.70	12.66	682.36	140.33	11.47	151.81
2019 TOTALS (lbs/day unmitigated)	70.74	239.11	429.37	0.75	3,760.00	11.46	3,771.46	785.71	10.37	796.08
2019 TOTALS (lbs/day mitigated)	70.74	239.11	429.37	0.75	669.70	11.46	681.16	140.33	10.37	150.70

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Office.urb924

Project Name: 112-23 OVOV Construction Emissions Office

2020 TOTALS (lbs/day unmitigated)	68.08	218.23	406.85	0.75	3,760.00	10.52	3,770.52	785.71	9.50	795.21
2020 TOTALS (lbs/day mitigated)	68.08	218.23	406.85	0.75	669.70	10.52	680.22	140.33	9.50	149.83
2021 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2021 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2022 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2022 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2023 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2023 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2024 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2024 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2025 TOTALS (lbs/day unmitigated)	64.94	204.86	332.52	0.75	3,760.00	10.17	3,770.17	785.71	9.18	794.89
2025 TOTALS (lbs/day mitigated)	64.94	204.86	332.52	0.75	669.70	10.17	679.87	140.33	9.18	149.51
2026 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2026 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2027 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2027 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2028 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2028 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2029 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2029 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40
2030 TOTALS (lbs/day unmitigated)	63.21	199.22	292.22	0.75	3,760.00	10.04	3,770.05	785.71	9.07	794.78
2030 TOTALS (lbs/day mitigated)	63.21	199.22	292.22	0.75	669.70	10.04	679.74	140.33	9.07	149.40

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Recreation.urb924

Project Name: 112-23 OVOV Construction Emissions Recreation

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	578.17	4,306.12	5,252.23	9.14	15,098.87	183.25	15,282.12	3,158.14	167.55	3,325.70
2010 TOTALS (lbs/day mitigated)	578.17	4,306.12	5,252.23	9.14	2,708.05	183.25	2,891.29	570.45	167.55	738.00
2011 TOTALS (lbs/day unmitigated)	543.31	3,899.90	4,877.28	9.14	15,098.87	164.73	15,263.60	3,158.14	150.49	3,308.64
2011 TOTALS (lbs/day mitigated)	543.31	3,899.90	4,877.28	9.14	2,708.05	164.73	2,872.78	570.45	150.49	720.94
2012 TOTALS (lbs/day unmitigated)	509.74	3,503.07	4,521.43	9.14	15,098.87	147.31	15,246.18	3,158.14	134.44	3,292.58
2012 TOTALS (lbs/day mitigated)	509.74	3,503.07	4,521.43	9.14	2,708.05	147.31	2,855.36	570.45	134.44	704.88
2013 TOTALS (lbs/day unmitigated)	477.89	3,121.99	4,180.00	9.14	15,098.87	130.78	15,229.65	3,158.14	119.17	3,277.31
2013 TOTALS (lbs/day mitigated)	477.89	3,121.99	4,180.00	9.14	2,708.05	130.78	2,838.83	570.45	119.17	689.61
2014 TOTALS (lbs/day unmitigated)	447.10	2,764.10	3,869.26	9.14	15,098.87	116.33	15,215.20	3,158.14	105.88	3,264.02
2014 TOTALS (lbs/day mitigated)	447.10	2,764.10	3,869.26	9.14	2,708.05	116.33	2,824.37	570.45	105.88	676.32
2015 TOTALS (lbs/day unmitigated)	418.10	2,438.31	3,580.61	9.14	15,098.87	103.03	15,201.90	3,158.14	93.62	3,251.77
2015 TOTALS (lbs/day mitigated)	418.10	2,438.31	3,580.61	9.14	2,708.05	103.03	2,811.08	570.45	93.62	664.07
2016 TOTALS (lbs/day unmitigated)	394.01	2,168.46	3,332.51	9.14	15,098.87	92.36	15,191.23	3,158.14	83.80	3,241.94
2016 TOTALS (lbs/day mitigated)	394.01	2,168.46	3,332.51	9.14	2,708.05	92.36	2,800.41	570.45	83.80	654.24
2017 TOTALS (lbs/day unmitigated)	372.99	1,940.18	3,104.99	9.14	15,098.87	83.02	15,181.89	3,158.14	75.21	3,233.35
2017 TOTALS (lbs/day mitigated)	372.99	1,940.18	3,104.99	9.14	2,708.05	83.02	2,791.07	570.45	75.21	645.65
2018 TOTALS (lbs/day unmitigated)	353.92	1,745.76	2,899.36	9.14	15,098.87	75.33	15,174.20	3,158.14	68.11	3,226.25
2018 TOTALS (lbs/day mitigated)	353.92	1,745.76	2,899.36	9.14	2,708.05	75.33	2,783.38	570.45	68.11	638.55
2019 TOTALS (lbs/day unmitigated)	337.63	1,579.58	2,711.81	9.14	15,098.87	68.58	15,167.45	3,158.14	61.90	3,220.04
2019 TOTALS (lbs/day mitigated)	337.63	1,579.58	2,711.81	9.14	2,708.05	68.58	2,776.63	570.45	61.90	632.34

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Recreation.urb924

Project Name: 112-23 OVOV Construction Emissions Recreation

2020 TOTALS (lbs/day unmitigated)	322.54	1,437.93	2,540.01	9.14	15,098.87	63.10	15,161.97	3,158.14	56.86	3,215.00
2020 TOTALS (lbs/day mitigated)	322.54	1,437.93	2,540.01	9.14	2,708.05	63.10	2,771.15	570.45	56.86	627.30
2021 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2021 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2022 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2022 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2023 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2023 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2024 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2024 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2025 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2025 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2026 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2026 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2027 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2027 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2028 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2028 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2029 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2029 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2030 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2030 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Recreation.urb924

Project Name: 112-23 OVOV Construction Emissions Recreation

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	578.17	4,306.12	5,252.23	9.14	15,098.87	183.25	15,282.12	3,158.14	167.55	3,325.70
2010 TOTALS (lbs/day mitigated)	578.17	4,306.12	5,252.23	9.14	2,708.05	183.25	2,891.29	570.45	167.55	738.00
2011 TOTALS (lbs/day unmitigated)	543.31	3,899.90	4,877.28	9.14	15,098.87	164.73	15,263.60	3,158.14	150.49	3,308.64
2011 TOTALS (lbs/day mitigated)	543.31	3,899.90	4,877.28	9.14	2,708.05	164.73	2,872.78	570.45	150.49	720.94
2012 TOTALS (lbs/day unmitigated)	509.74	3,503.07	4,521.43	9.14	15,098.87	147.31	15,246.18	3,158.14	134.44	3,292.58
2012 TOTALS (lbs/day mitigated)	509.74	3,503.07	4,521.43	9.14	2,708.05	147.31	2,855.36	570.45	134.44	704.88
2013 TOTALS (lbs/day unmitigated)	477.89	3,121.99	4,180.00	9.14	15,098.87	130.78	15,229.65	3,158.14	119.17	3,277.31
2013 TOTALS (lbs/day mitigated)	477.89	3,121.99	4,180.00	9.14	2,708.05	130.78	2,838.83	570.45	119.17	689.61
2014 TOTALS (lbs/day unmitigated)	447.10	2,764.10	3,869.26	9.14	15,098.87	116.33	15,215.20	3,158.14	105.88	3,264.02
2014 TOTALS (lbs/day mitigated)	447.10	2,764.10	3,869.26	9.14	2,708.05	116.33	2,824.37	570.45	105.88	676.32
2015 TOTALS (lbs/day unmitigated)	418.10	2,438.31	3,580.61	9.14	15,098.87	103.03	15,201.90	3,158.14	93.62	3,251.77
2015 TOTALS (lbs/day mitigated)	418.10	2,438.31	3,580.61	9.14	2,708.05	103.03	2,811.08	570.45	93.62	664.07
2016 TOTALS (lbs/day unmitigated)	394.01	2,168.46	3,332.51	9.14	15,098.87	92.36	15,191.23	3,158.14	83.80	3,241.94
2016 TOTALS (lbs/day mitigated)	394.01	2,168.46	3,332.51	9.14	2,708.05	92.36	2,800.41	570.45	83.80	654.24
2017 TOTALS (lbs/day unmitigated)	372.99	1,940.18	3,104.99	9.14	15,098.87	83.02	15,181.89	3,158.14	75.21	3,233.35
2017 TOTALS (lbs/day mitigated)	372.99	1,940.18	3,104.99	9.14	2,708.05	83.02	2,791.07	570.45	75.21	645.65
2018 TOTALS (lbs/day unmitigated)	353.92	1,745.76	2,899.36	9.14	15,098.87	75.33	15,174.20	3,158.14	68.11	3,226.25
2018 TOTALS (lbs/day mitigated)	353.92	1,745.76	2,899.36	9.14	2,708.05	75.33	2,783.38	570.45	68.11	638.55
2019 TOTALS (lbs/day unmitigated)	337.63	1,579.58	2,711.81	9.14	15,098.87	68.58	15,167.45	3,158.14	61.90	3,220.04
2019 TOTALS (lbs/day mitigated)	337.63	1,579.58	2,711.81	9.14	2,708.05	68.58	2,776.63	570.45	61.90	632.34

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Recreation.urb924

Project Name: 112-23 OVOV Construction Emissions Recreation

2020 TOTALS (lbs/day unmitigated)	322.54	1,437.93	2,540.01	9.14	15,098.87	63.10	15,161.97	3,158.14	56.86	3,215.00
2020 TOTALS (lbs/day mitigated)	322.54	1,437.93	2,540.01	9.14	2,708.05	63.10	2,771.15	570.45	56.86	627.30
2021 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2021 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2022 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2022 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2023 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2023 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2024 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2024 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2025 TOTALS (lbs/day unmitigated)	279.27	1,067.06	1,927.77	9.12	15,098.87	50.04	15,148.91	3,158.14	44.85	3,203.00
2025 TOTALS (lbs/day mitigated)	279.27	1,067.06	1,927.77	9.12	2,708.05	50.04	2,758.09	570.45	44.85	615.30
2026 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2026 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2027 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2027 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2028 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2028 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2029 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2029 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12
2030 TOTALS (lbs/day unmitigated)	259.17	930.49	1,610.45	9.12	15,098.87	45.48	15,144.35	3,158.14	40.68	3,198.82
2030 TOTALS (lbs/day mitigated)	259.17	930.49	1,610.45	9.12	2,708.05	45.48	2,753.53	570.45	40.68	611.12

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Residential

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	620.83	3,122.56	9,047.85	12.46	134,100.91	137.81	134,238.72	28,013.30	124.44	28,137.73
2010 TOTALS (lbs/day mitigated)	620.83	3,122.56	9,047.85	12.46	23,834.17	137.81	23,971.98	4,985.19	124.44	5,109.63
2011 TOTALS (lbs/day unmitigated)	581.65	2,837.84	8,418.92	12.46	134,100.91	126.04	134,226.95	28,013.30	113.59	28,126.88
2011 TOTALS (lbs/day mitigated)	581.65	2,837.84	8,418.92	12.46	23,834.17	126.04	23,960.21	4,985.19	113.59	5,098.78
2012 TOTALS (lbs/day unmitigated)	544.65	2,562.10	7,827.07	12.46	134,100.91	115.07	134,215.98	28,013.30	103.41	28,116.71
2012 TOTALS (lbs/day mitigated)	544.65	2,562.10	7,827.07	12.46	23,834.17	115.07	23,949.24	4,985.19	103.41	5,088.61
2013 TOTALS (lbs/day unmitigated)	510.47	2,297.58	7,265.07	12.46	134,100.91	104.74	134,205.64	28,013.30	93.74	28,107.04
2013 TOTALS (lbs/day mitigated)	510.47	2,297.58	7,265.07	12.46	23,834.17	104.74	23,938.90	4,985.19	93.74	5,078.93
2014 TOTALS (lbs/day unmitigated)	478.04	2,050.08	6,756.78	12.46	134,100.91	96.92	134,197.82	28,013.30	86.56	28,099.86
2014 TOTALS (lbs/day mitigated)	478.04	2,050.08	6,756.78	12.46	23,834.17	96.92	23,931.08	4,985.19	86.56	5,071.75
2015 TOTALS (lbs/day unmitigated)	447.82	1,822.51	6,281.20	12.46	134,100.91	88.44	134,189.34	28,013.30	78.75	28,092.04
2015 TOTALS (lbs/day mitigated)	447.82	1,822.51	6,281.20	12.46	23,834.17	88.44	23,922.61	4,985.19	78.75	5,063.94
2016 TOTALS (lbs/day unmitigated)	422.21	1,632.76	5,863.25	12.46	134,100.91	81.60	134,182.51	28,013.30	72.45	28,085.75
2016 TOTALS (lbs/day mitigated)	422.21	1,632.76	5,863.25	12.46	23,834.17	81.60	23,915.77	4,985.19	72.45	5,057.64
2017 TOTALS (lbs/day unmitigated)	399.57	1,469.45	5,468.48	12.46	134,100.91	75.48	134,176.38	28,013.30	66.82	28,080.11
2017 TOTALS (lbs/day mitigated)	399.57	1,469.45	5,468.48	12.46	23,834.17	75.48	23,909.64	4,985.19	66.82	5,052.01
2018 TOTALS (lbs/day unmitigated)	378.48	1,328.04	5,104.41	12.46	134,100.91	70.48	134,171.38	28,013.30	62.13	28,075.43
2018 TOTALS (lbs/day mitigated)	378.48	1,328.04	5,104.41	12.46	23,834.17	70.48	23,904.64	4,985.19	62.13	5,047.33
2019 TOTALS (lbs/day unmitigated)	360.41	1,205.41	4,767.52	12.46	134,100.91	65.94	134,166.84	28,013.30	57.96	28,071.26
2019 TOTALS (lbs/day mitigated)	360.41	1,205.41	4,767.52	12.46	23,834.17	65.94	23,900.10	4,985.19	57.96	5,043.15

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Residential

2020 TOTALS (lbs/day unmitigated)	342.62	1,099.89	4,452.19	12.46	134,100.91	62.27	134,163.18	28,013.30	54.59	28,067.88
2020 TOTALS (lbs/day mitigated)	342.62	1,099.89	4,452.19	12.46	23,834.17	62.27	23,896.44	4,985.19	54.59	5,039.78
2021 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2021 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2022 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2022 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2023 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2023 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2024 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2024 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2025 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2025 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2026 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2026 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2027 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2027 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2028 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2028 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2029 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2029 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2030 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2030 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Residential

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	620.83	3,122.56	9,047.85	12.46	134,100.91	137.81	134,238.72	28,013.30	124.44	28,137.73
2010 TOTALS (lbs/day mitigated)	620.83	3,122.56	9,047.85	12.46	23,834.17	137.81	23,971.98	4,985.19	124.44	5,109.63
2011 TOTALS (lbs/day unmitigated)	581.65	2,837.84	8,418.92	12.46	134,100.91	126.04	134,226.95	28,013.30	113.59	28,126.88
2011 TOTALS (lbs/day mitigated)	581.65	2,837.84	8,418.92	12.46	23,834.17	126.04	23,960.21	4,985.19	113.59	5,098.78
2012 TOTALS (lbs/day unmitigated)	544.65	2,562.10	7,827.07	12.46	134,100.91	115.07	134,215.98	28,013.30	103.41	28,116.71
2012 TOTALS (lbs/day mitigated)	544.65	2,562.10	7,827.07	12.46	23,834.17	115.07	23,949.24	4,985.19	103.41	5,088.61
2013 TOTALS (lbs/day unmitigated)	510.47	2,297.58	7,265.07	12.46	134,100.91	104.74	134,205.64	28,013.30	93.74	28,107.04
2013 TOTALS (lbs/day mitigated)	510.47	2,297.58	7,265.07	12.46	23,834.17	104.74	23,938.90	4,985.19	93.74	5,078.93
2014 TOTALS (lbs/day unmitigated)	478.04	2,050.08	6,756.78	12.46	134,100.91	96.92	134,197.82	28,013.30	86.56	28,099.86
2014 TOTALS (lbs/day mitigated)	478.04	2,050.08	6,756.78	12.46	23,834.17	96.92	23,931.08	4,985.19	86.56	5,071.75
2015 TOTALS (lbs/day unmitigated)	447.82	1,822.51	6,281.20	12.46	134,100.91	88.44	134,189.34	28,013.30	78.75	28,092.04
2015 TOTALS (lbs/day mitigated)	447.82	1,822.51	6,281.20	12.46	23,834.17	88.44	23,922.61	4,985.19	78.75	5,063.94
2016 TOTALS (lbs/day unmitigated)	422.21	1,632.76	5,863.25	12.46	134,100.91	81.60	134,182.51	28,013.30	72.45	28,085.75
2016 TOTALS (lbs/day mitigated)	422.21	1,632.76	5,863.25	12.46	23,834.17	81.60	23,915.77	4,985.19	72.45	5,057.64
2017 TOTALS (lbs/day unmitigated)	399.57	1,469.45	5,468.48	12.46	134,100.91	75.48	134,176.38	28,013.30	66.82	28,080.11
2017 TOTALS (lbs/day mitigated)	399.57	1,469.45	5,468.48	12.46	23,834.17	75.48	23,909.64	4,985.19	66.82	5,052.01
2018 TOTALS (lbs/day unmitigated)	378.48	1,328.04	5,104.41	12.46	134,100.91	70.48	134,171.38	28,013.30	62.13	28,075.43
2018 TOTALS (lbs/day mitigated)	378.48	1,328.04	5,104.41	12.46	23,834.17	70.48	23,904.64	4,985.19	62.13	5,047.33
2019 TOTALS (lbs/day unmitigated)	360.41	1,205.41	4,767.52	12.46	134,100.91	65.94	134,166.84	28,013.30	57.96	28,071.26
2019 TOTALS (lbs/day mitigated)	360.41	1,205.41	4,767.52	12.46	23,834.17	65.94	23,900.10	4,985.19	57.96	5,043.15

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV Res'l.urb924

Project Name: 112-23 OVOV Construction Emissions Residential

2020 TOTALS (lbs/day unmitigated)	342.62	1,099.89	4,452.19	12.46	134,100.91	62.27	134,163.18	28,013.30	54.59	28,067.88
2020 TOTALS (lbs/day mitigated)	342.62	1,099.89	4,452.19	12.46	23,834.17	62.27	23,896.44	4,985.19	54.59	5,039.78
2021 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2021 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2022 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2022 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2023 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2023 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2024 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2024 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2025 TOTALS (lbs/day unmitigated)	289.24	830.43	3,281.61	12.44	134,100.91	54.45	134,155.36	28,013.30	47.40	28,060.70
2025 TOTALS (lbs/day mitigated)	289.24	830.43	3,281.61	12.44	23,834.17	54.45	23,888.62	4,985.19	47.40	5,032.59
2026 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2026 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2027 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2027 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2028 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2028 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2029 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2029 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08
2030 TOTALS (lbs/day unmitigated)	260.69	721.34	2,650.50	12.44	134,100.91	51.70	134,152.61	28,013.30	44.89	28,058.19
2030 TOTALS (lbs/day mitigated)	260.69	721.34	2,650.50	12.44	23,834.17	51.70	23,885.87	4,985.19	44.89	5,030.08

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV SG.urb924

Project Name: 112-23 OVOV Construction Emissions Special Generator

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	74.35	561.29	533.60	0.72	1,173.20	26.89	1,200.09	245.40	24.66	270.05
2010 TOTALS (lbs/day mitigated)	74.35	561.29	533.60	0.72	210.45	26.89	237.34	44.34	24.66	68.99
2011 TOTALS (lbs/day unmitigated)	69.84	515.88	499.55	0.72	1,173.20	24.63	1,197.83	245.40	22.57	267.97
2011 TOTALS (lbs/day mitigated)	69.84	515.88	499.55	0.72	210.45	24.63	235.08	44.34	22.57	66.91
2012 TOTALS (lbs/day unmitigated)	65.60	471.67	467.60	0.72	1,173.20	22.29	1,195.50	245.40	20.42	265.82
2012 TOTALS (lbs/day mitigated)	65.60	471.67	467.60	0.72	210.45	22.29	232.74	44.34	20.42	64.76
2013 TOTALS (lbs/day unmitigated)	61.80	429.48	437.04	0.72	1,173.20	20.15	1,193.35	245.40	18.44	263.84
2013 TOTALS (lbs/day mitigated)	61.80	429.48	437.04	0.72	210.45	20.15	230.59	44.34	18.44	62.78
2014 TOTALS (lbs/day unmitigated)	57.92	388.64	409.44	0.72	1,173.20	18.03	1,191.24	245.40	16.50	261.90
2014 TOTALS (lbs/day mitigated)	57.92	388.64	409.44	0.72	210.45	18.03	228.48	44.34	16.50	60.84
2015 TOTALS (lbs/day unmitigated)	54.12	349.04	383.70	0.72	1,173.20	16.29	1,189.50	245.40	14.90	260.29
2015 TOTALS (lbs/day mitigated)	54.12	349.04	383.70	0.72	210.45	16.29	226.74	44.34	14.90	59.23
2016 TOTALS (lbs/day unmitigated)	50.87	314.90	361.68	0.72	1,173.20	14.62	1,187.83	245.40	13.36	258.76
2016 TOTALS (lbs/day mitigated)	50.87	314.90	361.68	0.72	210.45	14.62	225.07	44.34	13.36	57.70
2017 TOTALS (lbs/day unmitigated)	48.01	284.70	341.38	0.72	1,173.20	13.16	1,186.36	245.40	12.01	257.41
2017 TOTALS (lbs/day mitigated)	48.01	284.70	341.38	0.72	210.45	13.16	223.61	44.34	12.01	56.35
2018 TOTALS (lbs/day unmitigated)	45.18	257.90	323.25	0.72	1,173.20	11.85	1,185.05	245.40	10.80	256.20
2018 TOTALS (lbs/day mitigated)	45.18	257.90	323.25	0.72	210.45	11.85	222.29	44.34	10.80	55.14
2019 TOTALS (lbs/day unmitigated)	42.81	234.32	306.64	0.72	1,173.20	10.61	1,183.82	245.40	9.67	255.07
2019 TOTALS (lbs/day mitigated)	42.81	234.32	306.64	0.72	210.45	10.61	221.06	44.34	9.67	54.00

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV SG.urb924

Project Name: 112-23 OVOV Construction Emissions Special Generator

2020 TOTALS (lbs/day unmitigated)	40.52	213.63	291.65	0.72	1,173.20	9.69	1,182.89	245.40	8.82	254.21
2020 TOTALS (lbs/day mitigated)	40.52	213.63	291.65	0.72	210.45	9.69	220.13	44.34	8.82	53.15
2021 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2021 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2022 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2022 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2023 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2023 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2024 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2024 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2025 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2025 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2026 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2026 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2027 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2027 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2028 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2028 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2029 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2029 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2030 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2030 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV SG.urb924

Project Name: 112-23 OVOV Construction Emissions Special Generator

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2010 TOTALS (lbs/day unmitigated)	74.35	561.29	533.60	0.72	1,173.20	26.89	1,200.09	245.40	24.66	270.05
2010 TOTALS (lbs/day mitigated)	74.35	561.29	533.60	0.72	210.45	26.89	237.34	44.34	24.66	68.99
2011 TOTALS (lbs/day unmitigated)	69.84	515.88	499.55	0.72	1,173.20	24.63	1,197.83	245.40	22.57	267.97
2011 TOTALS (lbs/day mitigated)	69.84	515.88	499.55	0.72	210.45	24.63	235.08	44.34	22.57	66.91
2012 TOTALS (lbs/day unmitigated)	65.60	471.67	467.60	0.72	1,173.20	22.29	1,195.50	245.40	20.42	265.82
2012 TOTALS (lbs/day mitigated)	65.60	471.67	467.60	0.72	210.45	22.29	232.74	44.34	20.42	64.76
2013 TOTALS (lbs/day unmitigated)	61.80	429.48	437.04	0.72	1,173.20	20.15	1,193.35	245.40	18.44	263.84
2013 TOTALS (lbs/day mitigated)	61.80	429.48	437.04	0.72	210.45	20.15	230.59	44.34	18.44	62.78
2014 TOTALS (lbs/day unmitigated)	57.92	388.64	409.44	0.72	1,173.20	18.03	1,191.24	245.40	16.50	261.90
2014 TOTALS (lbs/day mitigated)	57.92	388.64	409.44	0.72	210.45	18.03	228.48	44.34	16.50	60.84
2015 TOTALS (lbs/day unmitigated)	54.12	349.04	383.70	0.72	1,173.20	16.29	1,189.50	245.40	14.90	260.29
2015 TOTALS (lbs/day mitigated)	54.12	349.04	383.70	0.72	210.45	16.29	226.74	44.34	14.90	59.23
2016 TOTALS (lbs/day unmitigated)	50.87	314.90	361.68	0.72	1,173.20	14.62	1,187.83	245.40	13.36	258.76
2016 TOTALS (lbs/day mitigated)	50.87	314.90	361.68	0.72	210.45	14.62	225.07	44.34	13.36	57.70
2017 TOTALS (lbs/day unmitigated)	48.01	284.70	341.38	0.72	1,173.20	13.16	1,186.36	245.40	12.01	257.41
2017 TOTALS (lbs/day mitigated)	48.01	284.70	341.38	0.72	210.45	13.16	223.61	44.34	12.01	56.35
2018 TOTALS (lbs/day unmitigated)	45.18	257.90	323.25	0.72	1,173.20	11.85	1,185.05	245.40	10.80	256.20
2018 TOTALS (lbs/day mitigated)	45.18	257.90	323.25	0.72	210.45	11.85	222.29	44.34	10.80	55.14
2019 TOTALS (lbs/day unmitigated)	42.81	234.32	306.64	0.72	1,173.20	10.61	1,183.82	245.40	9.67	255.07
2019 TOTALS (lbs/day mitigated)	42.81	234.32	306.64	0.72	210.45	10.61	221.06	44.34	9.67	54.00
2020 TOTALS (lbs/day unmitigated)	40.52	213.63	291.65	0.72	1,173.20	9.69	1,182.89	245.40	8.82	254.21
2020 TOTALS (lbs/day mitigated)	40.52	213.63	291.65	0.72	210.45	9.69	220.13	44.34	8.82	53.15

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Alan Sako\112.23 OVOV\112-23 URBEMIS FILES\112.23 Const OVOV SG.urb924

Project Name: 112-23 OVOV Construction Emissions Special Generator

2021 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2021 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2022 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2022 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2023 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2023 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2024 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2024 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2025 TOTALS (lbs/day unmitigated)	37.13	184.77	243.22	0.72	1,173.20	8.67	1,181.88	245.40	7.88	253.28
2025 TOTALS (lbs/day mitigated)	37.13	184.77	243.22	0.72	210.45	8.67	219.12	44.34	7.88	52.22
2026 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2026 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2027 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2027 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2028 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2028 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2029 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2029 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89
2030 TOTALS (lbs/day unmitigated)	35.55	174.13	218.09	0.72	1,173.20	8.32	1,181.52	245.40	7.56	252.96
2030 TOTALS (lbs/day mitigated)	35.55	174.13	218.09	0.72	210.45	8.32	218.76	44.34	7.56	51.89

**Operational Air Emissions
for Proposed General Plan and Area Plan**

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Comm'l.urb924

Project Name: 112-23 OVOV Commercial Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	147.70	154.95	136.27	0.00	0.30	0.30	185,858.61

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	9,040.49	13,525.00	118,669.43	124.32	20,448.00	3,979.99	12,139,727.56

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	9,188.19	13,679.95	118,805.70	124.32	20,448.30	3,980.29	12,325,586.17

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	11.24	154.87	130.09	0.00	0.28	0.28	185,847.37
Hearth - No Summer Emissions							
Landscape	0.49	0.08	6.18	0.00	0.02	0.02	11.24
Consumer Products	0.00						
Architectural Coatings	135.97						
TOTALS (lbs/day, unmitigated)	147.70	154.95	136.27	0.00	0.30	0.30	185,858.61

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 10% to 0%
- Percentage of residences with wood fireplaces changed from 5% to 0%
- Percentage of residences with natural gas fireplaces changed from 85% to 0%
- The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Comm'l Ctr >30 ac	3,050.50	4,542.81	39,859.00	41.76	6,868.13	1,336.81	4,077,523.29
Comm'l Ctr 10-30 ac	3,757.32	5,629.11	49,390.22	51.74	8,510.46	1,656.47	5,052,555.00
Comm'l Ctr <10 ac	1,621.17	2,444.14	21,445.08	22.47	3,695.21	719.24	2,193,803.36
Comm'l Shops	611.50	908.94	7,975.13	8.35	1,374.20	267.47	815,845.91
TOTALS (lbs/day, unmitigated)	9,040.49	13,525.00	118,669.43	124.32	20,448.00	3,979.99	12,139,727.56

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 80 Season: Summer
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Comm'l Ctr >30 ac		40.06	1000 sq ft	9,728.62	389,728.54	3,975,230.99
Comm'l Ctr 10-30 ac		54.06	1000 sq ft	8,933.07	482,921.79	4,925,802.20
Comm'l Ctr <10 ac		85.06	1000 sq ft	2,465.12	209,683.11	2,138,767.69
Comm'l Shops		37.06	1000 sq ft	2,104.11	77,978.32	795,378.88
					1,160,311.76	11,835,179.76

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Comm'l Ctr >30 ac				2.0	1.0	97.0
Comm'l Ctr 10-30 ac				2.0	1.0	97.0
Comm'l Ctr <10 ac				2.0	1.0	97.0
Comm'l Shops				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Comm'l.urb924

Project Name: 112-23 OVOV Commercial Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	147.21	154.87	130.09	0.00	0.28	0.28	185,847.37

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	10,265.87	16,298.82	113,954.82	103.42	20,448.00	3,979.99	10,990,562.91

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	10,413.08	16,453.69	114,084.91	103.42	20,448.28	3,980.27	11,176,410.28

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	11.24	154.87	130.09	0.00	0.28	0.28	185,847.37
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	135.97						
TOTALS (lbs/day, unmitigated)	147.21	154.87	130.09	0.00	0.28	0.28	185,847.37

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 10% to 0%
- Percentage of residences with wood fireplaces changed from 5% to 0%
- Percentage of residences with natural gas fireplaces changed from 85% to 0%
- The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Comm'l Ctr >30 ac	3,454.40	5,474.49	38,275.44	34.74	6,868.13	1,336.81	3,691,538.88
Comm'l Ctr 10-30 ac	4,270.26	6,783.57	47,428.00	43.04	8,510.46	1,656.47	4,574,272.64
Comm'l Ctr <10 ac	1,849.53	2,945.40	20,593.09	18.69	3,695.21	719.24	1,986,134.67
Comm'l Shops	691.68	1,095.36	7,658.29	6.95	1,374.20	267.47	738,616.72
TOTALS (lbs/day, unmitigated)	10,265.87	16,298.82	113,954.82	103.42	20,448.00	3,979.99	10,990,562.91

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 60 Season: Winter
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Comm'l Ctr >30 ac		40.06	1000 sq ft	9,728.62	389,728.54	3,975,230.99
Comm'l Ctr 10-30 ac		54.06	1000 sq ft	8,933.07	482,921.79	4,925,802.20
Comm'l Ctr <10 ac		85.06	1000 sq ft	2,465.12	209,683.11	2,138,767.69
Comm'l Shops		37.06	1000 sq ft	2,104.11	77,978.32	795,378.88
					1,160,311.76	11,835,179.76

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Comm'l Ctr >30 ac				2.0	1.0	97.0
Comm'l Ctr 10-30 ac				2.0	1.0	97.0
Comm'l Ctr <10 ac				2.0	1.0	97.0
Comm'l Shops				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Institutional.urb924

Project Name: 112-23 OVOV Institutional Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	70.80	102.30	96.64	0.00	0.22	0.22	122,617.22

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,243.68	2,208.83	19,541.79	20.30	3,334.32	649.23	1,983,078.59

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,314.48	2,311.13	19,638.43	20.30	3,334.54	649.45	2,105,695.81

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	7.42	102.16	85.82	0.00	0.18	0.18	122,597.56
Hearth - No Summer Emissions							
Landscape	0.86	0.14	10.82	0.00	0.04	0.04	19.66
Consumer Products	0.00						
Architectural Coatings	62.52						
TOTALS (lbs/day, unmitigated)	70.80	102.30	96.64	0.00	0.22	0.22	122,617.22

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Day-care center	22.62	28.46	250.35	0.26	43.02	8.37	25,550.68
Elementary school	956.05	875.73	7,794.75	8.06	1,320.47	257.18	786,375.63
High school	389.01	386.49	3,412.86	3.55	583.62	113.63	346,967.06
Junior college (2 yrs)	687.11	647.65	5,696.22	5.95	978.72	190.52	581,354.24
Library	60.20	90.58	796.67	0.83	136.88	26.65	81,308.00
Place of worship	78.22	108.15	949.64	0.99	163.48	31.82	97,071.43
Hospital	50.47	71.77	641.30	0.66	108.13	21.06	64,451.55
TOTALS (lbs/day, unmitigated)	2,243.68	2,208.83	19,541.79	20.30	3,334.32	649.23	1,983,078.59

Operational Settings:

Does not include correction for passby trips
Does not include double counting adjustment for internal trips
Analysis Year: 2010 Temperature (F): 80 Season: Summer
Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Day-care center		4.52	1000 sq ft	540.00	2,440.80	24,896.16
Elementary school		1.45	students	51,667.00	74,917.15	764,154.94
High school		1.79	students	18,500.00	33,115.00	337,772.99
Junior college (2 yrs)		1.54	students	36,062.00	55,535.48	566,461.87
Library		84.98	1000 sq ft	91.40	7,767.17	79,225.16
Place of worship		9.30	1000 sq ft	997.46	9,276.38	94,619.06
Hospital		16.80	1000 sq ft	365.16	6,134.69	62,573.81
					189,186.67	1,929,703.99

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.3	10.3	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Day-care center				5.0	2.5	92.5
Elementary school				20.0	10.0	70.0
High school				10.0	5.0	85.0
Junior college (2 yrs)				5.0	2.5	92.5

	<u>Travel Conditions</u>					
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Library				5.0	2.5	92.5
Place of worship				3.0	1.5	95.5
Hospital				25.0	12.5	62.5

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Institutional.urb924

Project Name: 112-23 OVOV Institutional Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	69.94	102.16	85.82	0.00	0.18	0.18	122,597.56

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,024.54	2,662.11	18,742.43	16.91	3,334.32	649.23	1,795,709.44

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,094.48	2,764.27	18,828.25	16.91	3,334.50	649.41	1,918,307.00

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	7.42	102.16	85.82	0.00	0.18	0.18	122,597.56
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	62.52						
TOTALS (lbs/day, unmitigated)	69.94	102.16	85.82	0.00	0.18	0.18	122,597.56

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Day-care center	23.23	34.30	240.32	0.22	43.02	8.37	23,133.33
Elementary school	833.46	1,055.53	7,469.25	6.71	1,320.47	257.18	712,178.21
High school	352.51	465.79	3,274.17	2.96	583.62	113.63	314,170.20
Junior college (2 yrs)	606.11	780.49	5,467.96	4.95	978.72	190.52	526,352.29
Library	68.64	109.16	764.75	0.69	136.88	26.65	73,615.44
Place of worship	84.77	130.33	911.81	0.83	163.48	31.82	87,884.17
Hospital	55.82	86.51	614.17	0.55	108.13	21.06	58,375.80
TOTALS (lbs/day, unmitigated)	2,024.54	2,662.11	18,742.43	16.91	3,334.32	649.23	1,795,709.44

Operational Settings:

Does not include correction for passby trips
 Does not include double counting adjustment for internal trips
 Analysis Year: 2010 Temperature (F): 60 Season: Winter
 Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Day-care center		4.52	1000 sq ft	540.00	2,440.80	24,896.16
Elementary school		1.45	students	51,667.00	74,917.15	764,154.94
High school		1.79	students	18,500.00	33,115.00	337,772.99
Junior college (2 yrs)		1.54	students	36,062.00	55,535.48	566,461.87
Library		84.98	1000 sq ft	91.40	7,767.17	79,225.16
Place of worship		9.30	1000 sq ft	997.46	9,276.38	94,619.06
Hospital		16.80	1000 sq ft	365.16	6,134.69	62,573.81
					189,186.67	1,929,703.99

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.3	10.3	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Day-care center				5.0	2.5	92.5
Elementary school				20.0	10.0	70.0
High school				10.0	5.0	85.0
Junior college (2 yrs)				5.0	2.5	92.5

	<u>Travel Conditions</u>					
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Library				5.0	2.5	92.5
Place of worship				3.0	1.5	95.5
Hospital				25.0	12.5	62.5

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Res'l.urb924

Project Name: 112-23 OVOV Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	9,121.97	2,046.86	4,597.69	0.19	13.74	13.62	2,565,140.88

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	11,558.30	15,333.31	140,672.65	141.35	22,989.35	4,483.48	13,785,528.12

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	20,680.27	17,380.17	145,270.34	141.54	23,003.09	4,497.10	16,350,669.00

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	154.83	2,004.65	853.04	0.02	3.84	3.80	2,559,126.91
Hearth - No Summer Emissions							
Landscape	676.16	42.21	3,744.65	0.17	9.90	9.82	6,013.97
Consumer Products	7,876.92						
Architectural Coatings	414.06						
TOTALS (lbs/day, unmitigated)	9,121.97	2,046.86	4,597.69	0.19	13.74	13.62	2,565,140.88

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Single family housing	6,768.73	9,078.35	83,287.64	83.69	13,611.23	2,654.52	8,161,957.00
Apartments mid rise	942.41	1,219.70	11,189.92	11.24	1,828.71	356.64	1,096,580.99
Condo/townhouse general	3,598.06	4,731.94	43,412.36	43.62	7,094.64	1,383.63	4,254,290.83
Mobile home park	161.93	200.70	1,841.27	1.85	300.91	58.68	180,438.98
Retirement community	87.17	102.62	941.46	0.95	153.86	30.01	92,260.32
TOTALS (lbs/day, unmitigated)	11,558.30	15,333.31	140,672.65	141.35	22,989.35	4,483.48	13,785,528.12

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	25,991.67	9.90	dwelling units	77,975.00	771,952.47	7,873,915.05
Apartments mid rise	395.55	6.90	dwelling units	15,031.00	103,713.90	1,057,881.77
Condo/townhouse general	3,143.50	8.00	dwelling units	50,296.00	402,368.00	4,104,153.52
Mobile home park	570.00	4.99	dwelling units	3,420.00	17,065.80	174,071.15
Retirement community	470.40	3.71	dwelling units	2,352.00	8,725.92	89,004.38
					1,303,826.09	13,299,025.87

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Res'l.urb924

Project Name: 112-23 OVOV Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	31,806.54	3,973.53	65,622.94	181.63	10,047.53	9,672.60	5,199,821.47

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	12,391.54	18,485.68	134,708.09	117.85	22,989.35	4,483.48	12,494,227.90

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	44,198.08	22,459.21	200,331.03	299.48	33,036.88	14,156.08	17,694,049.37

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	154.83	2,004.65	853.04	0.02	3.84	3.80	2,559,126.91
Hearth	23,360.73	1,968.88	64,769.90	181.61	10,043.69	9,668.80	2,640,694.56
Landscaping - No Winter Emissions							
Consumer Products	7,876.92						
Architectural Coatings	414.06						
TOTALS (lbs/day, unmitigated)	31,806.54	3,973.53	65,622.94	181.63	10,047.53	9,672.60	5,199,821.47

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Single family housing	7,303.11	10,944.76	79,756.22	69.78	13,611.23	2,654.52	7,397,420.68
Apartments mid rise	996.03	1,470.46	10,715.46	9.37	1,828.71	356.64	993,863.47
Condo/townhouse general	3,838.08	5,704.78	41,571.67	36.37	7,094.64	1,383.63	3,855,788.38
Mobile home park	166.98	241.96	1,763.20	1.54	300.91	58.68	163,537.14
Retirement community	87.34	123.72	901.54	0.79	153.86	30.01	83,618.23
TOTALS (lbs/day, unmitigated)	12,391.54	18,485.68	134,708.09	117.85	22,989.35	4,483.48	12,494,227.90

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	25,991.67	9.90	dwelling units	77,975.00	771,952.47	7,873,915.05
Apartments mid rise	395.55	6.90	dwelling units	15,031.00	103,713.90	1,057,881.77
Condo/townhouse general	3,143.50	8.00	dwelling units	50,296.00	402,368.00	4,104,153.52
Mobile home park	570.00	4.99	dwelling units	3,420.00	17,065.80	174,071.15
Retirement community	470.40	3.71	dwelling units	2,352.00	8,725.92	89,004.38
					1,303,826.09	13,299,025.87

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV SG.urb924

Project Name: 112-23 OVOV Special Generator Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	46.96	0.81	0.68	0.00	0.00	0.00	966.44

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	322.22	513.04	3,590.85	3.26	643.48	125.25	345,965.96

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	369.18	513.85	3,591.53	3.26	643.48	125.25	346,932.40

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.81	0.68	0.00	0.00	0.00	966.44
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	46.90						
TOTALS (lbs/day, unmitigated)	46.96	0.81	0.68	0.00	0.00	0.00	966.44

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Manufacturing	11.63	18.18	130.99	0.12	22.64	4.41	12,274.15
Wayside Honor Ranch	13.27	21.07	147.32	0.13	26.43	5.15	14,208.12
Six Flags Magic Mtn	211.56	337.13	2,357.05	2.14	422.95	82.32	227,329.86
Travel Village	23.09	36.80	257.31	0.23	46.17	8.99	24,816.84
Agua Dulce Airport	45.04	71.77	501.76	0.46	90.04	17.52	48,392.84
Landfill	17.63	28.09	196.42	0.18	35.25	6.86	18,944.15
TOTALS (lbs/day, unmitigated)	322.22	513.04	3,590.85	3.26	643.48	125.25	345,965.96

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Manufacturing		100.00	1000 sq ft	12.84	1,284.00	13,096.80
Wayside Honor Ranch		50.00	acres	30.00	1,500.00	15,300.00
Six Flags Magic Mtn		100.00	acres	240.00	24,000.00	244,800.00
Travel Village		100.00	acres	26.20	2,620.00	26,724.00
Agua Dulce Airport		100.00	acres	51.09	5,109.00	52,111.80
Landfill		100.00	acres	20.00	2,000.00	20,400.00
					36,513.00	372,432.60

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Manufacturing				48.0	24.0	28.0
Wayside Honor Ranch				2.0	1.0	97.0
Six Flags Magic Mtn				2.0	1.0	97.0
Travel Village				2.0	1.0	97.0
Agua Dulce Airport				2.0	1.0	97.0
Landfill				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV SG.urb924

Project Name: 112-23 OVOV Special Generator Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	46.96	0.81	0.68	0.00	0.00	0.00	966.44

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	322.22	513.04	3,590.85	3.26	643.48	125.25	345,965.96

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	369.18	513.85	3,591.53	3.26	643.48	125.25	346,932.40

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.81	0.68	0.00	0.00	0.00	966.44
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	46.90						
TOTALS (lbs/day, unmitigated)	46.96	0.81	0.68	0.00	0.00	0.00	966.44

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Manufacturing	11.63	18.18	130.99	0.12	22.64	4.41	12,274.15
Wayside Honor Ranch	13.27	21.07	147.32	0.13	26.43	5.15	14,208.12
Six Flags Magic Mtn	211.56	337.13	2,357.05	2.14	422.95	82.32	227,329.86
Travel Village	23.09	36.80	257.31	0.23	46.17	8.99	24,816.84
Agua Dulce Airport	45.04	71.77	501.76	0.46	90.04	17.52	48,392.84
Landfill	17.63	28.09	196.42	0.18	35.25	6.86	18,944.15
TOTALS (lbs/day, unmitigated)	322.22	513.04	3,590.85	3.26	643.48	125.25	345,965.96

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Manufacturing		100.00	1000 sq ft	12.84	1,284.00	13,096.80
Wayside Honor Ranch		50.00	acres	30.00	1,500.00	15,300.00
Six Flags Magic Mtn		100.00	acres	240.00	24,000.00	244,800.00
Travel Village		100.00	acres	26.20	2,620.00	26,724.00
Agua Dulce Airport		100.00	acres	51.09	5,109.00	52,111.80
Landfill		100.00	acres	20.00	2,000.00	20,400.00
					36,513.00	372,432.60

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Manufacturing				48.0	24.0	28.0
Wayside Honor Ranch				2.0	1.0	97.0
Six Flags Magic Mtn				2.0	1.0	97.0
Travel Village				2.0	1.0	97.0
Agua Dulce Airport				2.0	1.0	97.0
Landfill				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Non-Res'l.urb924

Project Name: 112-23 OVOV Non-Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	39.00	52.63	53.38	0.00	0.12	0.12	63,024.87

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	988.43	1,425.51	12,531.36	13.11	2,154.44	419.38	1,279,587.15

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,027.43	1,478.14	12,584.74	13.11	2,154.56	419.50	1,342,612.02

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	3.81	52.51	44.11	0.00	0.09	0.09	63,008.02
Hearth - No Summer Emissions							
Landscape	0.74	0.12	9.27	0.00	0.03	0.03	16.85
Consumer Products	0.00						
Architectural Coatings	34.45						
TOTALS (lbs/day, unmitigated)	39.00	52.63	53.38	0.00	0.12	0.12	63,024.87

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Racquetball/health	43.31	64.37	566.18	0.59	97.28	18.94	57,784.24
High turnover (sit-down) rest.	291.57	440.38	3,873.22	4.05	665.49	129.55	395,299.72
Fast food rest. w/ drive thru	245.46	372.71	3,278.11	3.43	563.24	109.64	334,562.89
Hotel	177.74	242.53	2,133.15	2.23	366.52	71.35	217,708.49
Movie Theater	74.54	73.85	648.01	0.68	111.66	21.73	66,290.21
Car Dealership	155.81	231.67	2,032.69	2.13	350.25	68.17	207,941.60
TOTALS (lbs/day, unmitigated)	988.43	1,425.51	12,531.36	13.11	2,154.44	419.38	1,279,587.15

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Racquetball/health		40.00	1000 sq ft	138.00	5,520.00	56,304.00
High turnover (sit-down) rest.		130.34	1000 sq ft	289.72	37,762.10	385,173.45
Fast food rest. w/ drive thru		496.12	1000 sq ft	64.42	31,960.05	325,992.50
Hotel		8.23	rooms	2,527.00	20,797.21	212,131.53
Movie Theater		1.76	1000 sq ft	3,600.00	6,336.00	64,627.20
Car Dealership		37.50	1000 sq ft	530.00	19,875.00	202,725.00
					122,250.36	1,246,953.68

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Movie Theater				2.0	1.0	97.0
Car Dealership				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Non-Res'l.urb924

Project Name: 112-23 OVOV Non-Residential Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	38.26	52.51	44.11	0.00	0.09	0.09	63,008.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,098.45	1,717.92	12,030.11	10.89	2,154.44	419.38	1,158,511.24

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,136.71	1,770.43	12,074.22	10.89	2,154.53	419.47	1,221,519.26

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	3.81	52.51	44.11	0.00	0.09	0.09	63,008.02
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	34.45						
TOTALS (lbs/day, unmitigated)	38.26	52.51	44.11	0.00	0.09	0.09	63,008.02

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Racquetball/health	49.02	77.58	543.49	0.49	97.28	18.94	52,317.27
High turnover (sit-down) rest.	333.18	530.71	3,718.01	3.37	665.49	129.55	357,900.39
Fast food rest. w/ drive thru	281.40	449.17	3,146.75	2.85	563.24	109.64	302,909.88
Hotel	191.21	292.28	2,047.67	1.85	366.52	71.35	197,111.08
Movie Theater	67.37	89.00	622.26	0.56	111.66	21.73	60,015.08
Car Dealership	176.27	279.18	1,951.93	1.77	350.25	68.17	188,257.54
TOTALS (lbs/day, unmitigated)	1,098.45	1,717.92	12,030.11	10.89	2,154.44	419.38	1,158,511.24

4/21/2009 1:20:17 PM

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Racquetball/health		40.00	1000 sq ft	138.00	5,520.00	56,304.00
High turnover (sit-down) rest.		130.34	1000 sq ft	289.72	37,762.10	385,173.45
Fast food rest. w/ drive thru		496.12	1000 sq ft	64.42	31,960.05	325,992.50
Hotel		8.23	rooms	2,527.00	20,797.21	212,131.53
Movie Theater		1.76	1000 sq ft	3,600.00	6,336.00	64,627.20
Car Dealership		37.50	1000 sq ft	530.00	19,875.00	202,725.00
					122,250.36	1,246,953.68

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Movie Theater				2.0	1.0	97.0
Car Dealership				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Office.urb924

Project Name: 112-23 OVOV Office Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	66.16	69.06	65.66	0.00	0.15	0.15	82,769.64

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	514.16	669.17	5,874.67	6.14	1,011.61	196.91	600,645.65

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	580.32	738.23	5,940.33	6.14	1,011.76	197.06	683,415.29

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	5.01	68.96	57.93	0.00	0.12	0.12	82,755.60
Hearth - No Summer Emissions							
Landscape	0.61	0.10	7.73	0.00	0.03	0.03	14.04
Consumer Products	0.00						
Architectural Coatings	60.54						
TOTALS (lbs/day, unmitigated)	66.16	69.06	65.66	0.00	0.15	0.15	82,769.64

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Medical office building	66.33	92.72	816.83	0.85	140.08	27.27	83,236.23
Regional Post Office	19.85	21.64	189.86	0.20	32.72	6.37	19,422.53
Post Office	13.44	19.93	174.89	0.18	30.14	5.87	17,890.82
Commercial Office	385.85	494.46	4,338.40	4.54	747.55	145.50	443,812.22
High-Rise Office	28.69	40.42	354.69	0.37	61.12	11.90	36,283.85
TOTALS (lbs/day, unmitigated)	514.16	669.17	5,874.67	6.14	1,011.61	196.91	600,645.65

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Medical office building		10.88	1000 sq ft	730.56	7,948.49	81,074.63
Regional Post Office		2.38	1000 sq ft	780.00	1,856.40	18,935.28
Post Office		34.20	1000 sq ft	50.00	1,710.00	17,442.00
Commercial Office		5.00	1000 sq ft	8,483.89	42,419.45	432,678.36
High-Rise Office		11.56	1000 sq ft	300.00	3,468.00	35,373.60
					57,402.34	585,503.87

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Medical office building				7.0	3.5	89.5
Regional Post Office				2.0	1.0	97.0
Post Office				2.0	1.0	97.0
Commercial Office				2.0	1.0	97.0
High-Rise Office				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Office.urb924

Project Name: 112-23 OVOV Office Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	65.55	68.96	57.93	0.00	0.12	0.12	82,755.60

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	538.03	806.42	5,640.80	5.12	1,011.61	196.91	543,794.79

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	603.58	875.38	5,698.73	5.12	1,011.73	197.03	626,550.39

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	5.01	68.96	57.93	0.00	0.12	0.12	82,755.60
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	60.54						
TOTALS (lbs/day, unmitigated)	65.55	68.96	57.93	0.00	0.12	0.12	82,755.60

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Medical office building	72.40	111.75	783.91	0.71	140.08	27.27	75,364.10
Regional Post Office	18.84	26.08	182.32	0.17	32.72	6.37	17,583.97
Post Office	15.18	24.02	167.94	0.15	30.14	5.87	16,197.25
Commercial Office	400.18	595.86	4,166.04	3.78	747.55	145.50	401,800.30
High-Rise Office	31.43	48.71	340.59	0.31	61.12	11.90	32,849.17
TOTALS (lbs/day, unmitigated)	538.03	806.42	5,640.80	5.12	1,011.61	196.91	543,794.79

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Medical office building		10.88	1000 sq ft	730.56	7,948.49	81,074.63
Regional Post Office		2.38	1000 sq ft	780.00	1,856.40	18,935.28
Post Office		34.20	1000 sq ft	50.00	1,710.00	17,442.00
Commercial Office		5.00	1000 sq ft	8,483.89	42,419.45	432,678.36
High-Rise Office		11.56	1000 sq ft	300.00	3,468.00	35,373.60
					57,402.34	585,503.87

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Medical office building				7.0	3.5	89.5
Regional Post Office				2.0	1.0	97.0
Post Office				2.0	1.0	97.0
Commercial Office				2.0	1.0	97.0
High-Rise Office				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Recreation.urb924

Project Name: 112-23 OVOV Recreation Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	416.98	0.06	4.64	0.00	0.02	0.02	8.43

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,963.22	4,481.14	39,317.93	41.19	6,774.90	1,318.67	4,022,173.48

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	3,380.20	4,481.20	39,322.57	41.19	6,774.92	1,318.69	4,022,181.91

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth - No Summer Emissions							
Landscape	0.37	0.06	4.64	0.00	0.02	0.02	8.43
Consumer Products	0.00						
Architectural Coatings	416.61						
TOTALS (lbs/day, unmitigated)	416.98	0.06	4.64	0.00	0.02	0.02	8.43

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Golf Course	1,116.56	1,687.35	14,804.96	15.51	2,551.05	496.54	1,514,528.64
Developed Park	70.85	96.51	846.83	0.89	145.92	28.40	86,629.17
Undeveloped Park	1,775.81	2,697.28	23,666.14	24.79	4,077.93	793.73	2,421,015.67
TOTALS (lbs/day, unmitigated)	2,963.22	4,481.14	39,317.93	41.19	6,774.90	1,318.67	4,022,173.48

Operational Settings:

Does not include correction for passby trips

4/21/2009 1:39:36 PM

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Golf Course		108.19	acres	1,338.00	144,758.22	1,476,533.85
Developed Park		7.96	acres	1,040.20	8,279.99	84,455.91
Undeveloped Park		260.00	acres	890.00	231,400.00	2,360,279.96
					384,438.21	3,921,269.72

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Golf Course				2.0	1.0	97.0
Developed Park				2.0	1.0	97.0
Undeveloped Park				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 OVOV Recreation.urb924

Project Name: 112-23 OVOV Recreation Emissions

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	416.61	0.00	0.00	0.00	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	3,386.90	5,400.18	37,755.88	34.26	6,774.90	1,318.67	3,641,428.55

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	3,803.51	5,400.18	37,755.88	34.26	6,774.90	1,318.67	3,641,428.55

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	416.61						
TOTALS (lbs/day, unmitigated)	416.61	0.00	0.00	0.00	0.00	0.00	0.00

Area Source Changes to Defaults

The number of persons per household for consumer product use changed from 3 persons to 3.09 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Golf Course	1,275.67	2,033.41	14,216.78	12.90	2,551.05	496.54	1,371,161.10
Developed Park	76.11	116.31	813.18	0.74	145.92	28.40	78,428.72
Undeveloped Park	2,035.12	3,250.46	22,725.92	20.62	4,077.93	793.73	2,191,838.73
TOTALS (lbs/day, unmitigated)	3,386.90	5,400.18	37,755.88	34.26	6,774.90	1,318.67	3,641,428.55

Operational Settings:

Does not include correction for passby trips

4/21/2009 1:40:03 PM

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses						
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Golf Course		108.19	acres	1,338.00	144,758.22	1,476,533.85
Developed Park		7.96	acres	1,040.20	8,279.99	84,455.91
Undeveloped Park		260.00	acres	890.00	231,400.00	2,360,279.96
					384,438.21	3,921,269.72

Vehicle Fleet Mix				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0

<u>Vehicle Fleet Mix</u>				
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	0.9	0.0	88.9	11.1

<u>Travel Conditions</u>						
	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.2	10.2	10.2	10.2	10.2	10.2
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)						
Golf Course				2.0	1.0	97.0
Developed Park				2.0	1.0	97.0
Undeveloped Park				2.0	1.0	97.0

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Constr OVOV Ind'l.urb924

Project Name: 112-23 OVOV Construction Emissions Industrial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	461.90	3,201.21	4,139.35	6.89	13,612.73	137.07	13,749.81	2,846.64	125.27	2,971.90	742,758.88
2011 TOTALS (lbs/day unmitigated)	435.28	2,904.24	3,846.05	6.89	13,612.73	123.50	13,736.23	2,846.64	112.76	2,959.40	742,704.54
2012 TOTALS (lbs/day unmitigated)	409.81	2,614.32	3,568.21	6.89	13,612.73	110.76	13,723.49	2,846.64	101.02	2,947.66	742,662.83
2013 TOTALS (lbs/day unmitigated)	385.88	2,336.09	3,302.06	6.89	13,612.73	98.70	13,711.44	2,846.64	89.87	2,936.51	742,642.91
2014 TOTALS (lbs/day unmitigated)	362.59	2,073.83	3,060.28	6.89	13,612.73	88.14	13,700.88	2,846.64	80.16	2,926.80	742,624.91
2015 TOTALS (lbs/day unmitigated)	340.59	1,834.06	2,835.39	6.89	13,612.73	78.40	13,691.13	2,846.64	71.18	2,917.82	742,615.60
2016 TOTALS (lbs/day unmitigated)	322.23	1,634.65	2,641.59	6.89	13,612.73	70.52	13,683.26	2,846.64	63.94	2,910.57	742,592.48

2017 TOTALS (lbs/day unmitigated)	306.19	1,464.97	2,463.06	6.89	13,612.73	63.56	13,676.29	2,846.64	57.53	2,904.16	742,582.58
2018 TOTALS (lbs/day unmitigated)	291.47	1,319.69	2,301.46	6.89	13,612.73	57.77	13,670.51	2,846.64	52.18	2,898.82	742,580.59
2019 TOTALS (lbs/day unmitigated)	278.94	1,195.02	2,153.71	6.89	13,612.73	52.65	13,665.39	2,846.64	47.47	2,894.11	742,583.83
2020 TOTALS (lbs/day unmitigated)	267.20	1,088.24	2,018.08	6.89	13,612.73	48.51	13,661.25	2,846.64	43.66	2,890.30	742,589.44
2021 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2022 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2023 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
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2025 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2026 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20
2027 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20
2028 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20

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2029 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20
2030 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\112.23 Constr OVOV Ind'l.urb924

Project Name: 112-23 OVOV Construction Emissions Industrial

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	461.90	3,201.21	4,139.35	6.89	13,612.73	137.07	13,749.81	2,846.64	125.27	2,971.90	742,758.88
2011 TOTALS (lbs/day unmitigated)	435.28	2,904.24	3,846.05	6.89	13,612.73	123.50	13,736.23	2,846.64	112.76	2,959.40	742,704.54
2012 TOTALS (lbs/day unmitigated)	409.81	2,614.32	3,568.21	6.89	13,612.73	110.76	13,723.49	2,846.64	101.02	2,947.66	742,662.83
2013 TOTALS (lbs/day unmitigated)	385.88	2,336.09	3,302.06	6.89	13,612.73	98.70	13,711.44	2,846.64	89.87	2,936.51	742,642.91
2014 TOTALS (lbs/day unmitigated)	362.59	2,073.83	3,060.28	6.89	13,612.73	88.14	13,700.88	2,846.64	80.16	2,926.80	742,624.91
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2016 TOTALS (lbs/day unmitigated)	322.23	1,634.65	2,641.59	6.89	13,612.73	70.52	13,683.26	2,846.64	63.94	2,910.57	742,592.48

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2021 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2022 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2023 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2024 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2025 TOTALS (lbs/day unmitigated)	234.93	823.42	1,535.53	6.88	13,612.73	39.29	13,652.02	2,846.64	35.19	2,881.82	742,628.85
2026 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20
2027 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20
2028 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20

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2029 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20
2030 TOTALS (lbs/day unmitigated)	219.70	725.29	1,283.90	6.88	13,612.73	36.07	13,648.80	2,846.64	32.24	2,878.87	742,679.20

CALINE4 CO Emissions

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 1: The Old Road & Rye Canyon
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	The Old Road	AT GRADE	4	5	5
East-West Roadway:	Rye Canyon	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	0	490	660	N	0	860	890
W	<	v	>	W	<	v	>
0 ^			^	0 ^			^
0 >			<	0 >			<
0 v			v	0 v			v
			880				1,310
	<	^	>		<	^	>
	1,060	0	1,670		0	1,270	1,330
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 4,100 N-S Road 4,770

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 8: McBean Parkway & Magic Mountain Parkway
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	McBean Parkway	AT GRADE	4	5	5
East-West Roadway:	Magic Mountain Parkway	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak					P.M. Peak				
N	720	1,980	520		N	110	2,130	300	
W	<	v	>	E	W	<	v	>	E
470 ^				350	420 ^				640
1,660 >				690	1,830 >				1,420
140 v				70	410 v				220
	<	^	>			<	^	>	
S	250	1,320	40		S	360	2,460	280	

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 5,360 N-S Road 6,060

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 10: Orchard Village & McBean Parkway
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Orchard Village	AT GRADE	4	5	5
East-West Roadway:	McBean Parkway	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	10	20	10	N	30	70	60
W	<	v	>	W	<	v	>
50 ^			^	40 ^			^
540 >			<	920 >			<
810 v			v	1,190 v			v
	<	^	>		<	^	>
	890	60	830		860	60	1,110
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 3,470 N-S Road 4,430

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 15: Bouquet Canyon Road & Soledad Canyon Road
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Bouquet Canyon Road	AT GRADE	4	5	5
East-West Roadway:	Soledad Canyon Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak					P.M. Peak				
N	1,370	1,860	390		N	890	1,390	420	
W	<	v	>	E	W	<	v	>	E
360 ^				250	1,350 ^				760
1,010 >				930	1,180 >				1,050
120 v				140	110 v				360
	<	^	>			<	^	>	
S	20	620	190		S	100	1,750	490	

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 4,850 N-S Road 6,560

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 3: The Old Road & Valencia Boulevard
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	The Old Road	AT GRADE	4	5	5
East-West Roadway:	Valencia Boulevard	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak					P.M. Peak				
N	190	200	140		N	220	750	330	
W	<	v	>	E	W	<	v	>	E
280 ^				370	240 ^				540
2,430 >				1,640	1,660 >				2,190
360 v				80	780 v				480
	<	^	>			<	^	>	
S	730	320	120		S	430	630	430	

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 1,810 N-S Road 3,500

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 4: The Old Road & McBean Parkway
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	The Old Road	AT GRADE	4	5	5
East-West Roadway:	McBean Parkway	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	20	250	160	N	250	1,040	510
W	<	v	>	W	<	v	>
140 ^			^	210 ^			^
1,100 >			<	470 >			<
120 v			v	90 v			v
	<	^	>		<	^	>
	70	420	300		160	830	630
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 1,510 N-S Road 3,610

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 5: The Old Road & Pico Canyon Road
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	The Old Road	AT GRADE	4	5	5
East-West Roadway:	Pico Canyon Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	140	170	320	N	480	460	510
W	<	v	>	W	<	v	>
400 ^			280	100 ^			580
600 >			1,330	990 >			1,330
100 v			10	260 v			10
	<	^	>		<	^	>
	120	230	50		190	660	90
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 1,540 N-S Road 2,790

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 11: Orchard Village & Wiley Canyon Road
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Orchard Village	AT GRADE	4	5	5
East-West Roadway:	Wiley Canyon Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	350	540	520	N	30	70	60
W	<	v	>	W	<	v	>
250 ^			400	40 ^			20
380 >			690	920 >			1,000
80 v			370	1,190 v			1,140
	<	^	>		<	^	>
	40	690	360		860	60	1,110
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 2,750 N-S Road 4,430

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 12: Valencia Boulevard & Magic Mountain Parkway
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Valencia Boulevard	AT GRADE	4	5	5
East-West Roadway:	Magic Mountain Parkway	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	630	1,850	20	N	710	1,300	40
W	<	v	>	W	<	v	>
620 ^			70	670 ^			40
870 >			990	1,230 >			980
60 v			610	40 v			460
	<	^	>		<	^	>
80		920	290	130		1,810	750
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 4,110 N-S Road 4,570

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 14: Bouquet Canyon Road & Newhall Ranch Road
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Bouquet Canyon Road	AT GRADE	4	5	5
East-West Roadway:	Newhall Ranch Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak					P.M. Peak				
N	790	2,190	100		N	420	1,470	70	
W	<	v	>	E	W	<	v	>	E
240 ^				80	660 ^				100
870 >				1,350	1,990 >				970
800 v				660	1,060 v				160
	<	^	>			<	^	>	
S	500	530	320		S	880	2,480	650	

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 5,000 N-S Road 6,700

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 17: Sierra Highway & Newhall Ranch Road
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Sierra Highway	AT GRADE	4	5	5
East-West Roadway:	Newhall Ranch Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	80	600	40	N	20	130	30
W	<	v	>	W	<	v	>
30 ^			^	100 ^			^
760 >			<	1,350 >			<
480 v			v	300 v			v
	<	^	>		<	^	>
	200	190	270		440	730	1,190
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 2,900 N-S Road 3,280

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 18: Whites Cyn Rd & Soledad Cyn Rd.
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Whites Canyon Road	AT GRADE	4	5	5
East-West Roadway:	Soledad Canyon Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	230	1,110	600	N	270	1,080	310
W	<	v	>	W	<	v	>
100 ^			^	460 ^			^
700 >			<	1,270 >			<
130 v			v	430 v			v
	<	^	>		<	^	>
	430	570	140		390	1,030	560
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 2,930 N-S Road 3,710

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 21: Pico Canyon Rd & Valencia Blvd
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Valencia Boulevard	AT GRADE	4	5	5
East-West Roadway:	Pico Canyon Road	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	0	0	0	N	0	0	0
W	<	v	>	W	<	v	>
0 ^			0	0 ^			0
1,800 >			< 820	1,180 >			< 1,640
420 v			v 20	1,120 v			v 30
	<	^	>		<	^	>
600		0	20	820		0	10
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 1,060 N-S Road 1,980

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: One Valley One Vision Area Plan/General Plan Update
Intersection: Intersection 23: Golden Valley & Via Princessa
Analysis Condition: OVOV Area Plan/General Plan Buildout
Nearest Air Monitoring Station measuring CO: Santa Clarita/Placerita Monitoring Station
Background 1-hour CO Concentration (ppm): 2.0
Background 8-hour CO Concentration (ppm): 1.6
Persistence Factor: 0.7
Analysis Year: 2030

		Roadway Type	No. of Lanes	Approach/Departure Speed	
				A.M.	P.M.
North-South Roadway:	Golden Valley	AT GRADE	4	5	5
East-West Roadway:	Via Princessa	AT GRADE	4	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: South Coast Air Basin County: Los Angeles
Assumes lowest mean wintertime temperature of 47 degrees F and 30% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2007	10.404	9.093	8.058	7.231	6.563	6.024	5.588	5.23	4.936	4.7
2008	9.453	8.28	7.351	6.607	6.005	5.518	5.124	4.799	4.532	4.316
2009	8.51	7.471	6.646	5.984	5.448	5.012	4.66	4.367	4.126	3.929
2010	7.609	6.699	5.976	5.392	4.918	4.532	4.219	3.958	3.741	3.564
2011	6.831	6.032	5.393	4.877	4.456	4.113	3.833	3.599	3.404	3.243
2012	6.141	5.437	4.874	4.416	4.042	3.737	3.487	3.277	3.101	2.955
2013	5.528	4.909	4.411	4.005	3.673	3.4	3.177	2.988	2.83	2.697
2014	4.98	4.435	3.995	3.635	3.339	3.097	2.897	2.728	2.584	2.464
2015	4.502	4.021	3.63	3.311	3.047	2.829	2.65	2.497	2.368	2.258
2020	2.909	2.632	2.402	2.21	2.05	1.917	1.805	1.708	1.624	1.552
2025	2.144	1.95	1.789	1.653	1.539	1.444	1.364	1.294	1.233	1.181
2030	1.756	1.601	1.472	1.363	1.271	1.195	1.131	1.075	1.027	0.985

PEAK HOUR TURNING VOLUMES

A.M. Peak				P.M. Peak			
N	550	380	80	N	520	930	500
W	<	v	>	W	<	v	>
480 ^			180	300 ^			90
340 >			1,140	1,020 >			480
660 v			160	1,340 v			60
	<	^	>		<	^	>
	700	1,320	20		840	980	100
S				S			

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 3,240 N-S Road 4,250