

Appendix E

NOISE MODELING AND AIR QUALITY INPUT ASSUMPTIONS

This appendix includes information about the air quality modeling assumptions. Air quality model output reports are included for reference.

AIR QUALITY ANALYSIS METHODOLOGY

Air emissions occurring due to construction activity vary based on the project's duration and level of activity. Construction emissions occur mostly as exhaust products from the operation of construction equipment and vehicles, but can also occur as fugitive dust emissions from land disturbance during material staging, demolition, and movement. Evaporative emissions also result from asphalt paving operations. The type of construction equipment commonly used can be categorized as both off- and on-road equipment. Off-road equipment is normally used for earthwork, paving, demolition, and other on-site activities, while on-road equipment is typically used to transport and deliver supplies, material, and employees.

The equipment activity levels and vehicle parameters associated with the proposed improvements (i.e., horsepower, fuel type, expected hours of use) were estimated based on the expected construction schedule for the MRY improvements. Equipment/vehicle emission factors were developed using the CARB-approved emissions models OFFROAD2007 (for off-road equipment) and EMFAC2007 (for on-road equipment). The emission factors were applied to the schedule-specific equipment parameters to calculate the total level of emissions expected from equipment use.

Emission factors of 10 pounds per day per acre of land disturbed during site grading and 38 pounds per day per acre during excavation and earthmoving activities were used to estimate particulate matter (PM) and fugitive dust emissions that would result from unpaved land disturbance. These factors were obtained from the MBUAPCD 2008 CEQA Guidelines. For the purposes of this analysis, it was assumed that 25 percent of the documented project area would be disturbed on any given day; there would be an overall 75 percent control efficiency of fugitive emissions due to site watering and other mitigation; and that 36 percent of the total PM fugitive emissions are PM_{2.5}.

For asphalt paving, evaporative emissions of Volatile Organic Compounds (VOC) were estimated using guidance provided by the URBEMIS 2007 model, which included an emissions rate of 2.62 pounds of VOC per acre of asphalt laid per day.¹ This information was applied to the assumed area of roadway to be paved as a result of the construction.

Emission Inventories

The project-related construction emissions (expected to occur in the years 2011 and 2012) are presented in **Tables E1 and E2**. As shown in the year 2011, to implement the proposed improvements, construction-related activities are estimated to result in 1.4 tons of VOC, 10.8 tons of CO, 3.9 tons of NO_x, less than 0.01 tons of SO₂, 2.5 tons of PM₁₀, and 1.0 ton of PM_{2.5}. Of these emissions, 0.1 tons of PM is expected to be diesel particulate matter (DPM). Further, 403.4 metric tons of greenhouse gases (GHG), expressed as CO₂ equivalent, are expected to be emitted as a result of the construction activities.[1] As shown in the year 2012, construction activities are estimated to result in 3.3 tons of VOC, 24.7 tons of CO, 9.2 tons of NO_x, less than 0.01 tons of SO₂, 7.8 tons of PM₁₀, and 3.1 tons of PM_{2.5}. Of these emissions, 0.4 tons are expected to occur as DPM. Finally, year 2012 GHG emissions are estimated to be 1,043.1 metric tons of CO₂ equivalent emissions. The level of emissions is higher in the year 2012 because the level of construction activity is expected to be higher during that time.

TABLE E1
2011 Construction Emissions Inventory by Category

	2011 Emissions (tons)							
	VOC	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	DPM	CO _{2e}
Off-Road Equipment	0.4	1.7	3.1	0.0	0.1	0.1	0.1	314.5
On-Road Equipment	0.9	9.0	0.8	0.0	0.0	0.0	0.0	88.9
Asphalt Paving	0.2	-	-	-	-	-	-	-
Fugitive Dust	-	-	-	-	2.4	0.9	-	-
Total	1.4	10.8	3.9	0.00	2.5	1.0	0.1	403.4

- = Not applicable

Source: KB Environmental Sciences, 2010.

¹ VOCs are O₃ precursor pollutants. In the presence of sunlight and at ground level, VOCs react with Nitrogen Oxides (NOx) to form O₃.

In both construction years, on-road equipment is the largest source of VOC and CO emissions, off-road equipment is the largest source of NO_x and GHG emissions, and fugitive dust generation is the largest PM emission source.

TABLE E2
2012 Construction Emissions Inventory by Category

	2012 Emissions (tons)							
	VOC	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	DPM	CO _{2e}
Off-Road Equipment	0.8	4.0	6.9	0.0	0.3	0.3	0.3	744.2
On-Road Equipment	2.0	20.7	2.4	0.0	0.1	0.1	0.0	298.8
Asphalt Paving	0.5	-	-	-	-	-	-	-
Fugitive Dust	-	-	-	-	7.4	2.7	-	-
Total	3.3	24.7	9.2	0.0	7.8	3.1	0.4	1,043.1

- = Not applicable

Source: KB Environmental Sciences, 2010.

Following are the modeling outputs generated from the OFFROAD2007 (for off-road equipment) and EMFAC2007 (for on-road equipment) emissions models.

CY	Season	Code	Desc	Fuel	MaxHP	Population	Evap Type	Total
2011	Annual	2260002006	Tampers/Rammers	G2	15	3.39E+03	Hot Soak	6.36E-03
2011	Annual	2260002006	Tampers/Rammers	G2	15	3.39E+03	Diurnal	3.91E-03
2011	Annual	2260002006	Tampers/Rammers	G2	15	3.39E+03	Resting	3.58E-03
2011	Annual	2260002006	Tampers/Rammers	G2	15	3.39E+03	Running	3.20E-03
2011	Annual	2260002009	Plate Compactors	G2	15	2.91E+02	Hot Soak	4.52E-04
2011	Annual	2260002009	Plate Compactors	G2	15	2.91E+02	Diurnal	2.41E-04
2011	Annual	2260002009	Plate Compactors	G2	15	2.91E+02	Resting	2.77E-04
2011	Annual	2260002009	Plate Compactors	G2	15	2.91E+02	Running	2.86E-04
2011	Annual	2265002003	Asphalt Pavers	G4	15	7.71E+01	Hot Soak	1.20E-04
2011	Annual	2265002003	Asphalt Pavers	G4	15	7.71E+01	Diurnal	6.27E-05
2011	Annual	2265002003	Asphalt Pavers	G4	15	7.71E+01	Resting	7.17E-05
2011	Annual	2265002003	Asphalt Pavers	G4	15	7.71E+01	Running	1.51E-04
2011	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Hot Soak	2.05E-04
2011	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Diurnal	1.32E-04
2011	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Resting	1.52E-04
2011	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Running	2.59E-04
2011	Annual	2265002003	Asphalt Pavers	G4	50	7.08E+01	Hot Soak	1.10E-03
2011	Annual	2265002003	Asphalt Pavers	G4	50	7.08E+01	Diurnal	1.03E-03
2011	Annual	2265002003	Asphalt Pavers	G4	50	7.08E+01	Resting	3.70E-04
2011	Annual	2265002003	Asphalt Pavers	G4	50	7.08E+01	Running	6.86E-04
2011	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Hot Soak	6.03E-04
2011	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Diurnal	5.66E-04
2011	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Resting	2.03E-04
2011	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Running	3.77E-04
2011	Annual	2265002006	Tampers/Rammers	G4	15	1.63E+02	Hot Soak	2.54E-04
2011	Annual	2265002006	Tampers/Rammers	G4	15	1.63E+02	Diurnal	1.37E-04
2011	Annual	2265002006	Tampers/Rammers	G4	15	1.63E+02	Resting	1.56E-04
2011	Annual	2265002006	Tampers/Rammers	G4	15	1.63E+02	Running	1.41E-04
2011	Annual	2265002009	Plate Compactors	G4	5	5.99E+03	Hot Soak	2.33E-02
2011	Annual	2265002009	Plate Compactors	G4	5	5.99E+03	Diurnal	2.98E-03
2011	Annual	2265002009	Plate Compactors	G4	5	5.99E+03	Resting	2.38E-03
2011	Annual	2265002009	Plate Compactors	G4	5	5.99E+03	Running	1.02E-02
2011	Annual	2265002009	Plate Compactors	G4	15	6.36E+03	Hot Soak	2.07E-02

2011	Annual	2265002009	Plate Compactors	G4	15	6.36E+03	Diurnal	1.63E-02
2011	Annual	2265002009	Plate Compactors	G4	15	6.36E+03	Resting	9.48E-03
2011	Annual	2265002009	Plate Compactors	G4	15	6.36E+03	Running	9.29E-03
2011	Annual	2265002015	Rollers	G4	5	6.67E+02	Hot Soak	2.59E-03
2011	Annual	2265002015	Rollers	G4	5	6.67E+02	Diurnal	3.42E-04
2011	Annual	2265002015	Rollers	G4	5	6.67E+02	Resting	2.92E-04
2011	Annual	2265002015	Rollers	G4	5	6.67E+02	Running	5.16E-04
2011	Annual	2265002015	Rollers	G4	15	1.08E+03	Hot Soak	1.68E-03
2011	Annual	2265002015	Rollers	G4	15	1.08E+03	Diurnal	8.18E-04
2011	Annual	2265002015	Rollers	G4	15	1.08E+03	Resting	9.36E-04
2011	Annual	2265002015	Rollers	G4	15	1.08E+03	Running	1.63E-03
2011	Annual	2265002015	Rollers	G4	25	7.29E+02	Hot Soak	1.13E-03
2011	Annual	2265002015	Rollers	G4	25	7.29E+02	Diurnal	7.41E-04
2011	Annual	2265002015	Rollers	G4	25	7.29E+02	Resting	8.47E-04
2011	Annual	2265002015	Rollers	G4	25	7.29E+02	Running	1.10E-03
2011	Annual	2265002015	Rollers	G4	50	4.98E+01	Hot Soak	7.74E-04
2011	Annual	2265002015	Rollers	G4	50	4.98E+01	Diurnal	7.07E-04
2011	Annual	2265002015	Rollers	G4	50	4.98E+01	Resting	2.52E-04
2011	Annual	2265002015	Rollers	G4	50	4.98E+01	Running	7.92E-04
2011	Annual	2265002015	Rollers	G4	120	9.37E+01	Hot Soak	1.45E-03
2011	Annual	2265002015	Rollers	G4	120	9.37E+01	Diurnal	1.33E-03
2011	Annual	2265002015	Rollers	G4	120	9.37E+01	Resting	4.73E-04
2011	Annual	2265002015	Rollers	G4	120	9.37E+01	Running	1.49E-03
2011	Annual	2265002021	Paving Equipment	G4	5	8.39E+03	Hot Soak	3.26E-02
2011	Annual	2265002021	Paving Equipment	G4	5	8.39E+03	Diurnal	4.18E-03
2011	Annual	2265002021	Paving Equipment	G4	5	8.39E+03	Resting	3.33E-03
2011	Annual	2265002021	Paving Equipment	G4	5	8.39E+03	Running	1.35E-02
2011	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Hot Soak	4.62E-02
2011	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Diurnal	3.63E-02
2011	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Resting	2.12E-02
2011	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Running	2.01E-02
2011	Annual	2265002021	Paving Equipment	G4	25	3.15E+02	Hot Soak	1.03E-03
2011	Annual	2265002021	Paving Equipment	G4	25	3.15E+02	Diurnal	8.62E-04
2011	Annual	2265002021	Paving Equipment	G4	25	3.15E+02	Resting	5.33E-04

2011 Annual	2265002021	Paving Equipment	G4	25	3.15E+02	Running	4.47E-04
2011 Annual	2265002021	Paving Equipment	G4	50	1.93E+02	Hot Soak	3.00E-03
2011 Annual	2265002021	Paving Equipment	G4	50	1.93E+02	Diurnal	2.90E-03
2011 Annual	2265002021	Paving Equipment	G4	50	1.93E+02	Resting	1.04E-03
2011 Annual	2265002021	Paving Equipment	G4	50	1.93E+02	Running	8.02E-04
2011 Annual	2265002021	Paving Equipment	G4	120	4.98E+01	Hot Soak	7.74E-04
2011 Annual	2265002021	Paving Equipment	G4	120	4.98E+01	Diurnal	7.49E-04
2011 Annual	2265002021	Paving Equipment	G4	120	4.98E+01	Resting	2.69E-04
2011 Annual	2265002021	Paving Equipment	G4	120	4.98E+01	Running	2.07E-04
2011 Annual	2265002024	Surfacing Equipment	G4	5	1.54E+03	Hot Soak	5.98E-03
2011 Annual	2265002024	Surfacing Equipment	G4	5	1.54E+03	Diurnal	7.63E-04
2011 Annual	2265002024	Surfacing Equipment	G4	5	1.54E+03	Resting	6.09E-04
2011 Annual	2265002024	Surfacing Equipment	G4	5	1.54E+03	Running	2.94E-03
2011 Annual	2265002024	Surfacing Equipment	G4	15	4.57E+03	Hot Soak	7.11E-03
2011 Annual	2265002024	Surfacing Equipment	G4	15	4.57E+03	Diurnal	3.67E-03
2011 Annual	2265002024	Surfacing Equipment	G4	15	4.57E+03	Resting	4.18E-03
2011 Annual	2265002024	Surfacing Equipment	G4	15	4.57E+03	Running	1.16E-02
2011 Annual	2265002024	Surfacing Equipment	G4	25	6.26E+01	Hot Soak	9.73E-05
2011 Annual	2265002024	Surfacing Equipment	G4	25	6.26E+01	Diurnal	6.21E-05
2011 Annual	2265002024	Surfacing Equipment	G4	25	6.26E+01	Resting	7.08E-05
2011 Annual	2265002024	Surfacing Equipment	G4	25	6.26E+01	Running	1.59E-04
2011 Annual	2265002027	Signal Boards	G4	5	1.90E+01	Hot Soak	7.38E-05
2011 Annual	2265002027	Signal Boards	G4	5	1.90E+01	Diurnal	9.52E-06
2011 Annual	2265002027	Signal Boards	G4	5	1.90E+01	Resting	7.59E-06
2011 Annual	2265002027	Signal Boards	G4	5	1.90E+01	Running	2.32E-05
2011 Annual	2265002027	Signal Boards	G4	15	1.35E+02	Hot Soak	2.10E-04
2011 Annual	2265002027	Signal Boards	G4	15	1.35E+02	Diurnal	1.12E-04
2011 Annual	2265002027	Signal Boards	G4	15	1.35E+02	Resting	1.28E-04
2011 Annual	2265002027	Signal Boards	G4	15	1.35E+02	Running	1.86E-04
2011 Annual	2265002030	Trenchers	G4	15	1.25E+03	Hot Soak	1.94E-03
2011 Annual	2265002030	Trenchers	G4	15	1.25E+03	Diurnal	1.01E-03
2011 Annual	2265002030	Trenchers	G4	15	1.25E+03	Resting	1.16E-03
2011 Annual	2265002030	Trenchers	G4	15	1.25E+03	Running	2.71E-03
2011 Annual	2265002030	Trenchers	G4	25	9.69E+02	Hot Soak	1.51E-03

2011 Annual	2265002030	Trenchers	G4	25	9.69E+02	Resting	1.11E-03
2011 Annual	2265002030	Trenchers	G4	25	9.69E+02	Running	2.10E-03
2011 Annual	2265002030	Trenchers	G4	50	4.53E+02	Hot Soak	7.04E-03
2011 Annual	2265002030	Trenchers	G4	50	4.53E+02	Diurnal	6.60E-03
2011 Annual	2265002030	Trenchers	G4	50	4.53E+02	Resting	2.37E-03
2011 Annual	2265002030	Trenchers	G4	50	4.53E+02	Running	4.52E-03
2011 Annual	2265002030	Trenchers	G4	120	1.50E+02	Hot Soak	2.34E-03
2011 Annual	2265002030	Trenchers	G4	120	1.50E+02	Diurnal	2.19E-03
2011 Annual	2265002030	Trenchers	G4	120	1.50E+02	Resting	7.86E-04
2011 Annual	2265002030	Trenchers	G4	120	1.50E+02	Running	1.50E-03
2011 Annual	2265002033	Bore/Drill Rigs	G4	15	3.58E+01	Hot Soak	8.15E-05
2011 Annual	2265002033	Bore/Drill Rigs	G4	15	3.58E+01	Diurnal	6.65E-05
2011 Annual	2265002033	Bore/Drill Rigs	G4	15	3.58E+01	Resting	3.99E-05
2011 Annual	2265002033	Bore/Drill Rigs	G4	15	3.58E+01	Running	8.00E-05
2011 Annual	2265002033	Bore/Drill Rigs	G4	25	1.78E+02	Hot Soak	4.05E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	25	1.78E+02	Diurnal	3.30E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	25	1.78E+02	Resting	1.98E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	25	1.78E+02	Running	3.97E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	50	2.19E+01	Hot Soak	1.05E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	50	2.19E+01	Diurnal	1.31E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	50	2.19E+01	Resting	5.06E-05
2011 Annual	2265002033	Bore/Drill Rigs	G4	50	2.19E+01	Running	1.78E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	120	1.01E+02	Hot Soak	4.82E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	120	1.01E+02	Diurnal	6.00E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	120	1.01E+02	Resting	2.32E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	120	1.01E+02	Running	8.16E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	175	2.49E+01	Hot Soak	1.19E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	175	2.49E+01	Diurnal	1.49E-04
2011 Annual	2265002033	Bore/Drill Rigs	G4	175	2.49E+01	Resting	5.75E-05
2011 Annual	2265002033	Bore/Drill Rigs	G4	175	2.49E+01	Running	2.02E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	5	6.56E+02	Hot Soak	2.55E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	5	6.56E+02	Diurnal	2.85E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	5	6.56E+02	Resting	3.26E-04

2011 Annual	2265002039	Concrete/Industrial Saws	G4	5	6.56E+02	Running	8.02E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	15	2.95E+03	Hot Soak	4.59E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	15	2.95E+03	Diurnal	1.66E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	15	2.95E+03	Resting	1.90E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	15	2.95E+03	Running	4.46E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	25	9.23E+02	Hot Soak	1.44E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	25	9.23E+02	Diurnal	5.20E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	25	9.23E+02	Resting	5.96E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	25	9.23E+02	Running	1.40E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	50	8.17E+01	Hot Soak	1.27E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	50	8.17E+01	Diurnal	1.16E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	50	8.17E+01	Resting	4.13E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	50	8.17E+01	Running	1.28E-03
2011 Annual	2265002039	Concrete/Industrial Saws	G4	120	4.68E+01	Hot Soak	7.27E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	120	4.68E+01	Diurnal	6.65E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	120	4.68E+01	Resting	2.37E-04
2011 Annual	2265002039	Concrete/Industrial Saws	G4	120	4.68E+01	Running	7.32E-04
2011 Annual	2265002042	Cement and Mortar Mixers	G4	5	1.19E+04	Hot Soak	4.63E-02
2011 Annual	2265002042	Cement and Mortar Mixers	G4	5	1.19E+04	Diurnal	6.09E-03
2011 Annual	2265002042	Cement and Mortar Mixers	G4	5	1.19E+04	Resting	5.20E-03
2011 Annual	2265002042	Cement and Mortar Mixers	G4	5	1.19E+04	Running	1.02E-02
2011 Annual	2265002042	Cement and Mortar Mixers	G4	15	2.02E+04	Hot Soak	2.07E-01
2011 Annual	2265002042	Cement and Mortar Mixers	G4	15	2.02E+04	Diurnal	1.96E-01
2011 Annual	2265002042	Cement and Mortar Mixers	G4	15	2.02E+04	Resting	7.43E-02
2011 Annual	2265002042	Cement and Mortar Mixers	G4	15	2.02E+04	Running	3.02E-02
2011 Annual	2265002042	Cement and Mortar Mixers	G4	25	8.50E+01	Hot Soak	8.71E-04
2011 Annual	2265002042	Cement and Mortar Mixers	G4	25	8.50E+01	Diurnal	8.27E-04
2011 Annual	2265002042	Cement and Mortar Mixers	G4	25	8.50E+01	Resting	3.13E-04
2011 Annual	2265002042	Cement and Mortar Mixers	G4	25	8.50E+01	Running	1.27E-04
2011 Annual	2265002045	Cranes	G4	50	2.49E+01	Hot Soak	3.87E-04
2011 Annual	2265002045	Cranes	G4	50	2.49E+01	Diurnal	3.62E-04
2011 Annual	2265002045	Cranes	G4	50	2.49E+01	Resting	1.30E-04
2011 Annual	2265002045	Cranes	G4	50	2.49E+01	Running	2.57E-04
2011 Annual	2265002045	Cranes	G4	120	4.98E+01	Hot Soak	7.74E-04

2011 Annual	2265002045	Cranes	G4	120	4.98E+01	Diurnal	7.24E-04
2011 Annual	2265002045	Cranes	G4	120	4.98E+01	Resting	2.60E-04
2011 Annual	2265002045	Cranes	G4	120	4.98E+01	Running	5.14E-04
2011 Annual	2265002045	Cranes	G4	175	1.99E+00	Hot Soak	3.09E-05
2011 Annual	2265002045	Cranes	G4	175	1.99E+00	Diurnal	2.90E-05
2011 Annual	2265002045	Cranes	G4	175	1.99E+00	Resting	1.04E-05
2011 Annual	2265002045	Cranes	G4	175	1.99E+00	Running	2.05E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	15	3.24E+01	Hot Soak	5.04E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	15	3.24E+01	Diurnal	2.15E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	15	3.24E+01	Resting	2.46E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	15	3.24E+01	Running	4.55E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	25	2.12E+01	Hot Soak	3.30E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	25	2.12E+01	Diurnal	1.41E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	25	2.12E+01	Resting	1.61E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	25	2.12E+01	Running	2.98E-05
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	120	2.89E+01	Hot Soak	4.49E-04
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	120	2.89E+01	Diurnal	4.30E-04
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	120	2.89E+01	Resting	1.54E-04
2011 Annual	2265002054	Crushing/Proc. Equipment	G4	120	2.89E+01	Running	1.67E-04
2011 Annual	2265002057	Rough Terrain Forklifts	G4	50	9.97E+00	Hot Soak	1.55E-04
2011 Annual	2265002057	Rough Terrain Forklifts	G4	50	9.97E+00	Diurnal	1.45E-04
2011 Annual	2265002057	Rough Terrain Forklifts	G4	50	9.97E+00	Resting	5.20E-05
2011 Annual	2265002057	Rough Terrain Forklifts	G4	50	9.97E+00	Running	1.02E-04
2011 Annual	2265002057	Rough Terrain Forklifts	G4	120	1.42E+02	Hot Soak	2.20E-03
2011 Annual	2265002057	Rough Terrain Forklifts	G4	120	1.42E+02	Diurnal	2.06E-03
2011 Annual	2265002057	Rough Terrain Forklifts	G4	120	1.42E+02	Resting	7.38E-04
2011 Annual	2265002057	Rough Terrain Forklifts	G4	120	1.42E+02	Running	1.45E-03
2011 Annual	2265002057	Rough Terrain Forklifts	G4	175	4.98E+00	Hot Soak	7.74E-05
2011 Annual	2265002057	Rough Terrain Forklifts	G4	175	4.98E+00	Diurnal	7.24E-05
2011 Annual	2265002057	Rough Terrain Forklifts	G4	175	4.98E+00	Resting	2.60E-05
2011 Annual	2265002057	Rough Terrain Forklifts	G4	175	4.98E+00	Running	5.11E-05
2011 Annual	2265002060	Rubber Tired Loaders	G4	50	2.49E+01	Hot Soak	3.87E-04
2011 Annual	2265002060	Rubber Tired Loaders	G4	50	2.49E+01	Diurnal	3.58E-04
2011 Annual	2265002060	Rubber Tired Loaders	G4	50	2.49E+01	Resting	1.28E-04

2011 Annual	2265002060	Rubber Tired Loaders	G4	50	2.49E+01	Running	3.23E-04
2011 Annual	2265002060	Rubber Tired Loaders	G4	120	1.65E+02	Hot Soak	2.57E-03
2011 Annual	2265002060	Rubber Tired Loaders	G4	120	1.65E+02	Diurnal	2.38E-03
2011 Annual	2265002060	Rubber Tired Loaders	G4	120	1.65E+02	Resting	8.50E-04
2011 Annual	2265002060	Rubber Tired Loaders	G4	120	1.65E+02	Running	2.14E-03
2011 Annual	2265002066	Tractors/Loaders/Backhoes	G4	120	8.77E+01	Hot Soak	1.36E-03
2011 Annual	2265002066	Tractors/Loaders/Backhoes	G4	120	8.77E+01	Diurnal	1.21E-03
2011 Annual	2265002066	Tractors/Loaders/Backhoes	G4	120	8.77E+01	Resting	4.25E-04
2011 Annual	2265002066	Tractors/Loaders/Backhoes	G4	120	8.77E+01	Running	1.95E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	15	6.37E+01	Hot Soak	1.19E-04
2011 Annual	2265002072	Skid Steer Loaders	G4	15	6.37E+01	Diurnal	6.26E-05
2011 Annual	2265002072	Skid Steer Loaders	G4	15	6.37E+01	Resting	5.47E-05
2011 Annual	2265002072	Skid Steer Loaders	G4	15	6.37E+01	Running	1.08E-04
2011 Annual	2265002072	Skid Steer Loaders	G4	25	4.26E+03	Hot Soak	7.98E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	25	4.26E+03	Diurnal	4.59E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	25	4.26E+03	Resting	4.12E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	25	4.26E+03	Running	7.24E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	50	6.80E+02	Hot Soak	1.06E-02
2011 Annual	2265002072	Skid Steer Loaders	G4	50	6.80E+02	Diurnal	1.00E-02
2011 Annual	2265002072	Skid Steer Loaders	G4	50	6.80E+02	Resting	3.60E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	50	6.80E+02	Running	5.13E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	120	4.07E+02	Hot Soak	6.31E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	120	4.07E+02	Diurnal	5.99E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	120	4.07E+02	Resting	2.15E-03
2011 Annual	2265002072	Skid Steer Loaders	G4	120	4.07E+02	Running	3.07E-03
2011 Annual	2265002078	Dumpers/Tenders	G4	5	6.08E+02	Hot Soak	2.36E-03
2011 Annual	2265002078	Dumpers/Tenders	G4	5	6.08E+02	Diurnal	3.08E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	5	6.08E+02	Resting	2.63E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	5	6.08E+02	Running	8.55E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	15	1.30E+03	Hot Soak	1.21E-02
2011 Annual	2265002078	Dumpers/Tenders	G4	15	1.30E+03	Diurnal	1.12E-02
2011 Annual	2265002078	Dumpers/Tenders	G4	15	1.30E+03	Resting	4.33E-03
2011 Annual	2265002078	Dumpers/Tenders	G4	15	1.30E+03	Running	2.93E-03
2011 Annual	2265002078	Dumpers/Tenders	G4	25	2.40E+02	Hot Soak	2.24E-03

2011 Annual	2265002078	Dumpers/Tenders	G4	25	2.40E+02	Diurnal	2.08E-03
2011 Annual	2265002078	Dumpers/Tenders	G4	25	2.40E+02	Resting	8.02E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	25	2.40E+02	Running	5.43E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	120	1.79E+01	Hot Soak	2.79E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	120	1.79E+01	Diurnal	2.71E-04
2011 Annual	2265002078	Dumpers/Tenders	G4	120	1.79E+01	Resting	9.73E-05
2011 Annual	2265002078	Dumpers/Tenders	G4	120	1.79E+01	Running	5.35E-05
2011 Annual	2265002081	Other Construction Equipment	G4	175	6.98E+01	Hot Soak	1.08E-03
2011 Annual	2265002081	Other Construction Equipment	G4	175	6.98E+01	Diurnal	1.02E-03
2011 Annual	2265002081	Other Construction Equipment	G4	175	6.98E+01	Resting	3.66E-04
2011 Annual	2265002081	Other Construction Equipment	G4	175	6.98E+01	Running	6.37E-04

CY	Season	Code	Desc	Fuel	MaxHP	Population	Evap	Type	Total
2012	Annual	2260002006	Tampers/Rammers	G2	15	3.40E+03	Hot Soak		5.52E-03
2012	Annual	2260002006	Tampers/Rammers	G2	15	3.40E+03	Diurnal		3.06E-03
2012	Annual	2260002006	Tampers/Rammers	G2	15	3.40E+03	Resting		3.32E-03
2012	Annual	2260002006	Tampers/Rammers	G2	15	3.40E+03	Running		3.00E-03
2012	Annual	2260002009	Plate Compactors	G2	15	2.92E+02	Hot Soak		4.54E-04
2012	Annual	2260002009	Plate Compactors	G2	15	2.92E+02	Diurnal		2.42E-04
2012	Annual	2260002009	Plate Compactors	G2	15	2.92E+02	Resting		2.78E-04
2012	Annual	2260002009	Plate Compactors	G2	15	2.92E+02	Running		2.87E-04
2012	Annual	2265002003	Asphalt Pavers	G4	15	7.75E+01	Hot Soak		1.20E-04
2012	Annual	2265002003	Asphalt Pavers	G4	15	7.75E+01	Diurnal		6.29E-05
2012	Annual	2265002003	Asphalt Pavers	G4	15	7.75E+01	Resting		7.20E-05
2012	Annual	2265002003	Asphalt Pavers	G4	15	7.75E+01	Running		1.52E-04
2012	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Hot Soak		2.06E-04
2012	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Diurnal		1.33E-04
2012	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Resting		1.52E-04
2012	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	Running		2.60E-04
2012	Annual	2265002003	Asphalt Pavers	G4	50	7.07E+01	Hot Soak		1.10E-03
2012	Annual	2265002003	Asphalt Pavers	G4	50	7.07E+01	Diurnal		1.03E-03
2012	Annual	2265002003	Asphalt Pavers	G4	50	7.07E+01	Resting		3.70E-04
2012	Annual	2265002003	Asphalt Pavers	G4	50	7.07E+01	Running		6.86E-04
2012	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Hot Soak		6.03E-04
2012	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Diurnal		5.66E-04
2012	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Resting		2.03E-04
2012	Annual	2265002003	Asphalt Pavers	G4	120	3.89E+01	Running		3.77E-04
2012	Annual	2265002006	Tampers/Rammers	G4	15	1.64E+02	Hot Soak		2.55E-04
2012	Annual	2265002006	Tampers/Rammers	G4	15	1.64E+02	Diurnal		1.37E-04
2012	Annual	2265002006	Tampers/Rammers	G4	15	1.64E+02	Resting		1.57E-04
2012	Annual	2265002006	Tampers/Rammers	G4	15	1.64E+02	Running		1.42E-04
2012	Annual	2265002009	Plate Compactors	G4	5	6.02E+03	Hot Soak		2.34E-02
2012	Annual	2265002009	Plate Compactors	G4	5	6.02E+03	Diurnal		2.98E-03
2012	Annual	2265002009	Plate Compactors	G4	5	6.02E+03	Resting		2.38E-03
2012	Annual	2265002009	Plate Compactors	G4	5	6.02E+03	Running		1.03E-02
2012	Annual	2265002009	Plate Compactors	G4	15	6.38E+03	Hot Soak		1.68E-02

2012	Annual	2265002009	Plate Compactors	G4	15	6.38E+03	Diurnal		1.23E-02
2012	Annual	2265002009	Plate Compactors	G4	15	6.38E+03	Resting		8.26E-03
2012	Annual	2265002009	Plate Compactors	G4	15	6.38E+03	Running		8.21E-03
2012	Annual	2265002015	Rollers	G4	5	6.70E+02	Hot Soak		2.60E-03
2012	Annual	2265002015	Rollers	G4	5	6.70E+02	Diurnal		3.39E-04
2012	Annual	2265002015	Rollers	G4	5	6.70E+02	Resting		2.90E-04
2012	Annual	2265002015	Rollers	G4	5	6.70E+02	Running		5.18E-04
2012	Annual	2265002015	Rollers	G4	15	1.08E+03	Hot Soak		1.69E-03
2012	Annual	2265002015	Rollers	G4	15	1.08E+03	Diurnal		8.21E-04
2012	Annual	2265002015	Rollers	G4	15	1.08E+03	Resting		9.40E-04
2012	Annual	2265002015	Rollers	G4	15	1.08E+03	Running		1.64E-03
2012	Annual	2265002015	Rollers	G4	25	7.32E+02	Hot Soak		1.14E-03
2012	Annual	2265002015	Rollers	G4	25	7.32E+02	Diurnal		7.44E-04
2012	Annual	2265002015	Rollers	G4	25	7.32E+02	Resting		8.51E-04
2012	Annual	2265002015	Rollers	G4	25	7.32E+02	Running		1.11E-03
2012	Annual	2265002015	Rollers	G4	50	4.98E+01	Hot Soak		7.73E-04
2012	Annual	2265002015	Rollers	G4	50	4.98E+01	Diurnal		7.07E-04
2012	Annual	2265002015	Rollers	G4	50	4.98E+01	Resting		2.52E-04
2012	Annual	2265002015	Rollers	G4	50	4.98E+01	Running		7.92E-04
2012	Annual	2265002015	Rollers	G4	120	9.36E+01	Hot Soak		1.45E-03
2012	Annual	2265002015	Rollers	G4	120	9.36E+01	Diurnal		1.33E-03
2012	Annual	2265002015	Rollers	G4	120	9.36E+01	Resting		4.73E-04
2012	Annual	2265002015	Rollers	G4	120	9.36E+01	Running		1.49E-03
2012	Annual	2265002021	Paving Equipment	G4	5	8.42E+03	Hot Soak		3.27E-02
2012	Annual	2265002021	Paving Equipment	G4	5	8.42E+03	Diurnal		4.18E-03
2012	Annual	2265002021	Paving Equipment	G4	5	8.42E+03	Resting		3.34E-03
2012	Annual	2265002021	Paving Equipment	G4	5	8.42E+03	Running		1.36E-02
2012	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Hot Soak		3.75E-02
2012	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Diurnal		2.74E-02
2012	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Resting		1.84E-02
2012	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	Running		1.78E-02
2012	Annual	2265002021	Paving Equipment	G4	25	3.17E+02	Hot Soak		8.33E-04
2012	Annual	2265002021	Paving Equipment	G4	25	3.17E+02	Diurnal		6.67E-04
2012	Annual	2265002021	Paving Equipment	G4	25	3.17E+02	Resting		4.76E-04

2012 Annual	2265002021 Paving Equipment	G4	25	3.17E+02	Running	3.95E-04
2012 Annual	2265002021 Paving Equipment	G4	50	1.93E+02	Hot Soak	3.00E-03
2012 Annual	2265002021 Paving Equipment	G4	50	1.93E+02	Diurnal	2.90E-03
2012 Annual	2265002021 Paving Equipment	G4	50	1.93E+02	Resting	1.04E-03
2012 Annual	2265002021 Paving Equipment	G4	50	1.93E+02	Running	8.02E-04
2012 Annual	2265002021 Paving Equipment	G4	120	4.98E+01	Hot Soak	7.73E-04
2012 Annual	2265002021 Paving Equipment	G4	120	4.98E+01	Diurnal	7.48E-04
2012 Annual	2265002021 Paving Equipment	G4	120	4.98E+01	Resting	2.69E-04
2012 Annual	2265002021 Paving Equipment	G4	120	4.98E+01	Running	2.07E-04
2012 Annual	2265002024 Surfacing Equipment	G4	5	1.55E+03	Hot Soak	6.01E-03
2012 Annual	2265002024 Surfacing Equipment	G4	5	1.55E+03	Diurnal	7.64E-04
2012 Annual	2265002024 Surfacing Equipment	G4	5	1.55E+03	Resting	6.10E-04
2012 Annual	2265002024 Surfacing Equipment	G4	5	1.55E+03	Running	2.95E-03
2012 Annual	2265002024 Surfacing Equipment	G4	15	4.59E+03	Hot Soak	7.14E-03
2012 Annual	2265002024 Surfacing Equipment	G4	15	4.59E+03	Diurnal	3.69E-03
2012 Annual	2265002024 Surfacing Equipment	G4	15	4.59E+03	Resting	4.20E-03
2012 Annual	2265002024 Surfacing Equipment	G4	15	4.59E+03	Running	1.17E-02
2012 Annual	2265002024 Surfacing Equipment	G4	25	6.29E+01	Hot Soak	9.77E-05
2012 Annual	2265002024 Surfacing Equipment	G4	25	6.29E+01	Diurnal	6.23E-05
2012 Annual	2265002024 Surfacing Equipment	G4	25	6.29E+01	Resting	7.11E-05
2012 Annual	2265002024 Surfacing Equipment	G4	25	6.29E+01	Running	1.60E-04
2012 Annual	2265002027 Signal Boards	G4	5	1.91E+01	Hot Soak	7.42E-05
2012 Annual	2265002027 Signal Boards	G4	5	1.91E+01	Diurnal	9.52E-06
2012 Annual	2265002027 Signal Boards	G4	5	1.91E+01	Resting	7.60E-06
2012 Annual	2265002027 Signal Boards	G4	5	1.91E+01	Running	2.33E-05
2012 Annual	2265002027 Signal Boards	G4	15	1.36E+02	Hot Soak	2.11E-04
2012 Annual	2265002027 Signal Boards	G4	15	1.36E+02	Diurnal	1.12E-04
2012 Annual	2265002027 Signal Boards	G4	15	1.36E+02	Resting	1.28E-04
2012 Annual	2265002027 Signal Boards	G4	15	1.36E+02	Running	1.87E-04
2012 Annual	2265002030 Trenchers	G4	15	1.26E+03	Hot Soak	1.95E-03
2012 Annual	2265002030 Trenchers	G4	15	1.26E+03	Diurnal	1.02E-03
2012 Annual	2265002030 Trenchers	G4	15	1.26E+03	Resting	1.16E-03
2012 Annual	2265002030 Trenchers	G4	15	1.26E+03	Running	2.72E-03
2012 Annual	2265002030 Trenchers	G4	25	9.73E+02	Hot Soak	1.51E-03

2012 Annual	2265002030 Trenchers	G4	25	9.73E+02	Diurnal	9.73E-04
2012 Annual	2265002030 Trenchers	G4	25	9.73E+02	Resting	1.11E-03
2012 Annual	2265002030 Trenchers	G4	25	9.73E+02	Running	2.11E-03
2012 Annual	2265002030 Trenchers	G4	50	4.53E+02	Hot Soak	7.04E-03
2012 Annual	2265002030 Trenchers	G4	50	4.53E+02	Diurnal	6.60E-03
2012 Annual	2265002030 Trenchers	G4	50	4.53E+02	Resting	2.37E-03
2012 Annual	2265002030 Trenchers	G4	50	4.53E+02	Running	4.51E-03
2012 Annual	2265002030 Trenchers	G4	120	1.50E+02	Hot Soak	2.34E-03
2012 Annual	2265002030 Trenchers	G4	120	1.50E+02	Diurnal	2.19E-03
2012 Annual	2265002030 Trenchers	G4	120	1.50E+02	Resting	7.86E-04
2012 Annual	2265002030 Trenchers	G4	120	1.50E+02	Running	1.50E-03
2012 Annual	2265002033 Bore/Drill Rigs	G4	15	3.59E+01	Hot Soak	7.00E-05
2012 Annual	2265002033 Bore/Drill Rigs	G4	15	3.59E+01	Diurnal	4.74E-05
2012 Annual	2265002033 Bore/Drill Rigs	G4	15	3.59E+01	Resting	3.45E-05
2012 Annual	2265002033 Bore/Drill Rigs	G4	15	3.59E+01	Running	5.79E-05
2012 Annual	2265002033 Bore/Drill Rigs	G4	25	1.79E+02	Hot Soak	3.48E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	25	1.79E+02	Diurnal	2.36E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	25	1.79E+02	Resting	1.71E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	25	1.79E+02	Running	2.88E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	50	2.19E+01	Hot Soak	1.05E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	50	2.19E+01	Diurnal	1.31E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	50	2.19E+01	Resting	5.06E-05
2012 Annual	2265002033 Bore/Drill Rigs	G4	50	2.19E+01	Running	1.83E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	120	1.01E+02	Hot Soak	4.82E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	120	1.01E+02	Diurnal	6.00E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	120	1.01E+02	Resting	2.32E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	120	1.01E+02	Running	8.40E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	175	2.49E+01	Hot Soak	1.19E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	175	2.49E+01	Diurnal	1.49E-04
2012 Annual	2265002033 Bore/Drill Rigs	G4	175	2.49E+01	Resting	5.75E-05
2012 Annual	2265002033 Bore/Drill Rigs	G4	175	2.49E+01	Running	2.08E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	5	6.59E+02	Hot Soak	2.56E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	5	6.59E+02	Diurnal	2.85E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	5	6.59E+02	Resting	3.26E-04

2012 Annual	2265002039 Concrete/Industrial Saws	G4	5	6.59E+02	Running	8.06E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	15	2.96E+03	Hot Soak	4.61E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	15	2.96E+03	Diurnal	1.67E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	15	2.96E+03	Resting	1.91E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	15	2.96E+03	Running	4.48E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	25	9.27E+02	Hot Soak	1.44E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	25	9.27E+02	Diurnal	5.23E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	25	9.27E+02	Resting	5.98E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	25	9.27E+02	Running	1.40E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	50	8.17E+01	Hot Soak	1.27E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	50	8.17E+01	Diurnal	1.16E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	50	8.17E+01	Resting	4.13E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	50	8.17E+01	Running	1.28E-03
2012 Annual	2265002039 Concrete/Industrial Saws	G4	120	4.68E+01	Hot Soak	7.27E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	120	4.68E+01	Diurnal	6.65E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	120	4.68E+01	Resting	2.37E-04
2012 Annual	2265002039 Concrete/Industrial Saws	G4	120	4.68E+01	Running	7.31E-04
2012 Annual	2265002042 Cement and Mortar Mixers	G4	5	1.20E+04	Hot Soak	4.65E-02
2012 Annual	2265002042 Cement and Mortar Mixers	G4	5	1.20E+04	Diurnal	6.05E-03
2012 Annual	2265002042 Cement and Mortar Mixers	G4	5	1.20E+04	Resting	5.16E-03
2012 Annual	2265002042 Cement and Mortar Mixers	G4	5	1.20E+04	Running	1.03E-02
2012 Annual	2265002042 Cement and Mortar Mixers	G4	15	2.03E+04	Hot Soak	1.85E-01
2012 Annual	2265002042 Cement and Mortar Mixers	G4	15	2.03E+04	Diurnal	1.74E-01
2012 Annual	2265002042 Cement and Mortar Mixers	G4	15	2.03E+04	Resting	6.71E-02
2012 Annual	2265002042 Cement and Mortar Mixers	G4	15	2.03E+04	Running	2.76E-02
2012 Annual	2265002042 Cement and Mortar Mixers	G4	25	8.53E+01	Hot Soak	7.79E-04
2012 Annual	2265002042 Cement and Mortar Mixers	G4	25	8.53E+01	Diurnal	7.31E-04
2012 Annual	2265002042 Cement and Mortar Mixers	G4	25	8.53E+01	Resting	2.82E-04
2012 Annual	2265002042 Cement and Mortar Mixers	G4	25	8.53E+01	Running	1.16E-04
2012 Annual	2265002045 Cranes	G4	50	2.49E+01	Hot Soak	3.87E-04
2012 Annual	2265002045 Cranes	G4	50	2.49E+01	Diurnal	3.62E-04
2012 Annual	2265002045 Cranes	G4	50	2.49E+01	Resting	1.30E-04
2012 Annual	2265002045 Cranes	G4	50	2.49E+01	Running	2.57E-04
2012 Annual	2265002045 Cranes	G4	120	4.98E+01	Hot Soak	7.73E-04

2012 Annual	2265002045 Cranes	G4	120	4.98E+01	Diurnal	7.24E-04
2012 Annual	2265002045 Cranes	G4	120	4.98E+01	Resting	2.60E-04
2012 Annual	2265002045 Cranes	G4	120	4.98E+01	Running	5.13E-04
2012 Annual	2265002045 Cranes	G4	175	1.99E+00	Hot Soak	3.09E-05
2012 Annual	2265002045 Cranes	G4	175	1.99E+00	Diurnal	2.90E-05
2012 Annual	2265002045 Cranes	G4	175	1.99E+00	Resting	1.04E-05
2012 Annual	2265002045 Cranes	G4	175	1.99E+00	Running	2.05E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	15	3.26E+01	Hot Soak	5.06E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	15	3.26E+01	Diurnal	2.16E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	15	3.26E+01	Resting	2.47E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	15	3.26E+01	Running	4.57E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	25	2.13E+01	Hot Soak	3.32E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	25	2.13E+01	Diurnal	1.41E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	25	2.13E+01	Resting	1.62E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	25	2.13E+01	Running	2.99E-05
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	120	2.89E+01	Hot Soak	4.49E-04
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	120	2.89E+01	Diurnal	4.30E-04
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	120	2.89E+01	Resting	1.54E-04
2012 Annual	2265002054 Crushing/Proc. Equipment	G4	120	2.89E+01	Running	1.67E-04
2012 Annual	2265002057 Rough Terrain Forklifts	G4	50	9.96E+00	Hot Soak	1.55E-04
2012 Annual	2265002057 Rough Terrain Forklifts	G4	50	9.96E+00	Diurnal	1.45E-04
2012 Annual	2265002057 Rough Terrain Forklifts	G4	50	9.96E+00	Resting	5.20E-05
2012 Annual	2265002057 Rough Terrain Forklifts	G4	50	9.96E+00	Running	1.02E-04
2012 Annual	2265002057 Rough Terrain Forklifts	G4	120	1.41E+02	Hot Soak	2.20E-03
2012 Annual	2265002057 Rough Terrain Forklifts	G4	120	1.41E+02	Diurnal	2.06E-03
2012 Annual	2265002057 Rough Terrain Forklifts	G4	120	1.41E+02	Resting	7.38E-04
2012 Annual	2265002057 Rough Terrain Forklifts	G4	120	1.41E+02	Running	1.45E-03
2012 Annual	2265002057 Rough Terrain Forklifts	G4	175	4.98E+00	Hot Soak	7.73E-05
2012 Annual	2265002057 Rough Terrain Forklifts	G4	175	4.98E+00	Diurnal	7.24E-05
2012 Annual	2265002057 Rough Terrain Forklifts	G4	175	4.98E+00	Resting	2.60E-05
2012 Annual	2265002057 Rough Terrain Forklifts	G4	175	4.98E+00	Running	5.11E-05
2012 Annual	2265002060 Rubber Tired Loaders	G4	50	2.49E+01	Hot Soak	3.87E-04
2012 Annual	2265002060 Rubber Tired Loaders	G4	50	2.49E+01	Diurnal	3.58E-04
2012 Annual	2265002060 Rubber Tired Loaders	G4	50	2.49E+01	Resting	1.28E-04

2012 Annual	2265002060 Rubber Tired Loaders	G4	50	2.49E+01	Running	3.23E-04
2012 Annual	2265002060 Rubber Tired Loaders	G4	120	1.65E+02	Hot Soak	2.57E-03
2012 Annual	2265002060 Rubber Tired Loaders	G4	120	1.65E+02	Diurnal	2.38E-03
2012 Annual	2265002060 Rubber Tired Loaders	G4	120	1.65E+02	Resting	8.49E-04
2012 Annual	2265002060 Rubber Tired Loaders	G4	120	1.65E+02	Running	2.14E-03
2012 Annual	2265002066 Tractors/Loaders/Backhoes	G4	120	8.77E+01	Hot Soak	1.36E-03
2012 Annual	2265002066 Tractors/Loaders/Backhoes	G4	120	8.77E+01	Diurnal	1.21E-03
2012 Annual	2265002066 Tractors/Loaders/Backhoes	G4	120	8.77E+01	Resting	4.24E-04
2012 Annual	2265002066 Tractors/Loaders/Backhoes	G4	120	8.77E+01	Running	1.95E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	15	6.40E+01	Hot Soak	1.04E-04
2012 Annual	2265002072 Skid Steer Loaders	G4	15	6.40E+01	Diurnal	4.66E-05
2012 Annual	2265002072 Skid Steer Loaders	G4	15	6.40E+01	Resting	4.97E-05
2012 Annual	2265002072 Skid Steer Loaders	G4	15	6.40E+01	Running	1.02E-04
2012 Annual	2265002072 Skid Steer Loaders	G4	25	4.28E+03	Hot Soak	6.94E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	25	4.28E+03	Diurnal	3.53E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	25	4.28E+03	Resting	3.80E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	25	4.28E+03	Running	6.79E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	50	6.79E+02	Hot Soak	1.06E-02
2012 Annual	2265002072 Skid Steer Loaders	G4	50	6.79E+02	Diurnal	1.00E-02
2012 Annual	2265002072 Skid Steer Loaders	G4	50	6.79E+02	Resting	3.60E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	50	6.79E+02	Running	5.13E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	120	4.06E+02	Hot Soak	6.31E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	120	4.06E+02	Diurnal	5.99E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	120	4.06E+02	Resting	2.15E-03
2012 Annual	2265002072 Skid Steer Loaders	G4	120	4.06E+02	Running	3.07E-03
2012 Annual	2265002078 Dumpers/Tenders	G4	5	6.11E+02	Hot Soak	2.37E-03
2012 Annual	2265002078 Dumpers/Tenders	G4	5	6.11E+02	Diurnal	3.06E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	5	6.11E+02	Resting	2.62E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	5	6.11E+02	Running	8.59E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	15	1.30E+03	Hot Soak	1.06E-02
2012 Annual	2265002078 Dumpers/Tenders	G4	15	1.30E+03	Diurnal	9.73E-03
2012 Annual	2265002078 Dumpers/Tenders	G4	15	1.30E+03	Resting	3.85E-03
2012 Annual	2265002078 Dumpers/Tenders	G4	15	1.30E+03	Running	2.64E-03
2012 Annual	2265002078 Dumpers/Tenders	G4	25	2.41E+02	Hot Soak	1.96E-03

2012 Annual	2265002078 Dumpers/Tenders	G4	25	2.41E+02	Diurnal	1.80E-03
2012 Annual	2265002078 Dumpers/Tenders	G4	25	2.41E+02	Resting	7.13E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	25	2.41E+02	Running	4.89E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	120	1.79E+01	Hot Soak	2.78E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	120	1.79E+01	Diurnal	2.71E-04
2012 Annual	2265002078 Dumpers/Tenders	G4	120	1.79E+01	Resting	9.73E-05
2012 Annual	2265002078 Dumpers/Tenders	G4	120	1.79E+01	Running	5.35E-05
2012 Annual	2265002081 Other Construction Equipment	G4	175	6.97E+01	Hot Soak	1.08E-03
2012 Annual	2265002081 Other Construction Equipment	G4	175	6.97E+01	Diurnal	1.02E-03
2012 Annual	2265002081 Other Construction Equipment	G4	175	6.97E+01	Resting	3.66E-04
2012 Annual	2265002081 Other Construction Equipment	G4	175	6.97E+01	Running	6.37E-04

CY	Season	Code	Equipment	Fuel	MaxHP	Population	Activity	Consumption	ROG	Exhaust	CO	Exhaust	NOX	Exhaust	CO2	Exhaust	SO2	Exhaust	PM	Exhaust	N2O	Exhaust	CH4	Exhaust
2012	Annual	2260002006	Tampers/Rammers	G2	15	3.40E+03	1.70E+03	3.42E+02	2.16E-02	9.25E-01	1.67E-02	1.77E+00	7.28E-05	1.48E-02	2.64E-03	1.34E-03								
2012	Annual	2260002009	Plate Compactors	G2	15	2.92E+02	1.65E+02	3.32E+01	2.09E-03	8.98E-02	1.62E-03	1.72E-01	7.07E-06	1.44E-03	2.56E-04	1.30E-04								
2012	Annual	2265002003	Asphalt Pavers	G4	15	7.75E+01	8.41E+01	4.90E+01	3.72E-03	1.42E-01	2.73E-03	2.37E-01	6.74E-06	1.98E-03	2.41E-04	2.08E-04								
2012	Annual	2265002003	Asphalt Pavers	G4	25	1.32E+02	1.44E+02	2.11E+02	1.64E-02	6.28E-01	1.06E-02	9.89E-01	2.51E-05	8.29E-03	6.36E-04	9.20E-04								
2012	Annual	2265002003	Asphalt Pavers	G4	50	7.07E+01	7.60E+01	1.78E+02	1.63E-03	1.92E-01	9.65E-02	1.39E+00	1.69E-05	1.06E-04	4.22E-04	3.72E-04								
2012	Annual	2265002009	Plate Compactors	G4	120	3.89E+01	4.18E+01	1.64E+02	4.52E-03	8.09E-02	1.35E-02	1.44E+00	1.39E-05	1.11E-04	3.61E-04	2.53E-04								
2012	Annual	2265002006	Tampers/Rammers	G4	15	1.64E+02	8.18E+01	4.00E+01	3.11E-03	1.16E-01	2.16E-03	1.92E-01	5.47E-06	1.61E-03	2.09E-04	1.74E-04								
2012	Annual	2265002009	Plate Compactors	G4	5	6.02E+03	2.97E+03	5.42E+02	7.67E-02	1.17E+00	3.42E-02	3.09E+00	1.07E-04	1.01E-03	4.89E-03	4.30E-03								
2012	Annual	2265002015	Rollers	G4	15	6.38E+03	3.61E+03	1.56E+03	1.18E-01	4.51E+00	8.55E-02	7.51E+00	2.14E-04	6.30E-02	8.72E-03	6.63E-03								
2012	Annual	2265002015	Rollers	G4	25	6.70E+02	1.53E+02	4.14E+01	4.99E-02	9.99E-02	2.23E-03	2.24E-01	7.73E-06	7.30E-05	2.85E-04	2.80E-04								
2012	Annual	2265002015	Rollers	G4	50	1.08E+03	9.22E+02	5.04E+02	3.79E-02	1.46E+00	2.79E-02	2.44E+00	6.94E-05	2.04E-02	2.54E-03	2.13E-03								
2012	Annual	2265002015	Rollers	G4	120	7.32E+02	6.22E+02	7.40E+02	5.70E-02	2.20E+00	3.67E-02	3.47E+00	8.79E-05	2.91E-02	2.45E-03	3.20E-03								
2012	Annual	2265002015	Rollers	G4	500	4.98E+01	4.88E+01	2.26E+02	1.06E-02	2.95E-01	1.32E-02	1.68E+00	2.04E-05	1.29E-04	5.33E-04	5.93E-04								
2012	Annual	2265002015	Rollers	G4	120	9.36E+01	1.59E+02	7.41E+02	2.66E-02	4.59E-01	6.62E-02	6.33E+00	6.12E-05	4.90E-04	1.62E-03	1.49E-03								
2012	Annual	2265002021	Paving Equipment	G4	5	8.42E+03	3.93E+03	7.71E+02	1.08E-01	1.68E+00	4.82E-02	4.39E+00	1.51E-04	1.43E-03	6.68E-03	6.06E-03								
2012	Annual	2265002021	Paving Equipment	G4	15	1.42E+04	7.81E+03	4.53E+03	3.43E-01	1.31E+01	2.48E+01	2.18E+01	6.22E-04	1.83E-01	2.21E-02	1.92E-02								
2012	Annual	2265002021	Paving Equipment	G4	50	1.93E+02	9.27E+01	2.10E+02	4.58E-03	1.67E-01	7.86E-03	1.75E+00	2.13E-05	1.34E-04	4.03E-04	5.75E-04								
2012	Annual	2265002021	Paving Equipment	G4	120	4.98E+01	2.39E+01	8.72E+01	1.25E-03	2.66E-02	4.45E-03	7.95E-01	7.68E-06	6.16E-05	1.44E-04	7.00E-05								
2012	Annual	2265002024	Surfacing Equipment	G4	5	1.55E+03	8.48E+02	1.71E+02	2.47E-02	3.63E-01	1.10E-02	9.83E-01	3.40E-05	3.21E-04	1.49E-03	1.39E-03								
2012	Annual	2265002024	Surfacing Equipment	G4	15	4.59E+03	6.34E+03	2.44E+03	1.92E-01	7.04E+00	1.41E-01	1.18E+00	3.35E-04	9.86E-02	1.48E-02	1.08E-02								
2012	Annual	2265002024	Surfacing Equipment	G4	25	6.29E+01	8.67E+01	8.18E+01	5.95E-03	2.43E-01	1.24E-02	3.82E-01	9.69E-06	3.20E-03	3.09E-04	3.69E-04								
2012	Annual	2265002027	Signal Boards	G4	5	1.91E+01	6.80E+00	2.22E+00	2.85E-04	5.14E-03	1.27E-04	1.22E-02	4.23E-07	3.99E-06	1.45E-05	1.60E-05								
2012	Annual	2265002030	Trenchers	G4	15	1.26E+03	1.50E+03	9.69E+02	7.44E-02	2.80E+00	5.48E-02	6.47E+00	1.33E-04	3.92E-02	4.56E-03	4.17E-03								
2012	Annual	2265002030	Trenchers	G4	25	9.73E+02	1.16E+03	1.62E+03	1.28E-01	4.83E+00	8.24E-02	7.60E+00	1.93E-04	6.37E-02	5.03E-03	7.17E-03								
2012	Annual	2265002030	Trenchers	G4	50	4.53E+02	5.00E+02	1.11E+03	4.46E-02	1.25E+00	6.35E-02	8.54E+00	1.04E-04	6.54E-04	2.80E-03	2.50E-03								
2012	Annual	2265002030	Trenchers	G4	120	1.50E+02	1.66E+02	7.08E+02	2.14E-02	3.74E-01	6.26E-02	6.17E+00	5.96E-05	4.78E-04	1.59E-03	1.20E-03								
2012	Annual	2265002033	Bore/Drill Rigs	G4	15	3.59E+01	1.22E+01	9.52E+00	7.17E-04	2.77E-02	4.97E-04	4.57E-02	1.30E-06	3.83E-04	3.94E-05	4.03E-05								
2012	Annual	2265002033	Bore/Drill Rigs	G4	25	1.79E+02	6.07E+01	8.75E+01	6.76E-03	2.61E-01	4.10E-03	4.09E-01	1.04E-05	3.43E-03	2.56E-04	3.74E-04								
2012	Annual	2265002033	Bore/Drill Rigs	G4	50	2.19E+01	6.43E+01	1.72E+01	5.30E-04	1.51E-02	9.70E-04	1.40E-01	7.17E-06	1.08E-05	3.89E-05	2.97E-05								
2012	Annual	2265002033	Bore/Drill Rigs	G4	120	1.01E+02	2.95E+01	1.96E+02	4.36E-03	7.84E-02	1.71E-02	1.75E+00	1.69E-05	1.36E-04	3.50E-04	2.45E-04								
2012	Annual	2265002033	Bore/Drill Rigs	G4	500	2.49E+01	7.31E+00	6.61E+01	8.67E-04	1.95E-02	6.66E-03	6.04E-01	6.00E-06	4.81E-05	1.11E-04	4.87E-05								
2012	Annual	2265002039	Concrete/Industrial Saws	G4	5	6.59E+02	2.35E+02	6.29E+01	8.08E-03	1.46E-01	3.61E-03	3.47E-01	1.20E-05	1.13E-04	4.50E-04	4.53E-04								
2012	Annual	2265002039	Concrete/Industrial Saws	G4	15	2.96E+03	2.52E+03	1.73E+03	1.30E-01	5.00E+00	9.58E-02	8.37E+00	2.39E-04	7.02E-02	7.84E-03	7.31E-03								
2012	Annual	2265002039	Concrete/Industrial Saws	G4	25	9.27E+02	7.88E+02	1.06E+03	1.30E-02	8.13E+00	5.23E-02	4.95E+00	1.25E-04	4.15E-02	3.30E-03	4.56E-03								
2012	Annual	2265002039	Concrete/Industrial Saws	G4	50	8.17E+01	1.37E+02	3.79E+02	4.00E-03	2.71E-01	5.83E-03	3.22E+00	3.92E-05	2.47E-04	4.52E-04	2.24E-04								
2012	Annual	2265002042	Cement and Mortar Mixers	G4	5	1.20E+04	3.02E+03	7.71E+02	9.65E-02	1.82E+00	4.30E-02	4.22E+00	1.46E-04	1.37E-03	5.56E-03	5.41E-03								
2012	Annual	2265002042	Cement and Mortar Mixers	G4	15	2.03E+04	5.12E+03	2.56E+03	2.60E-01	7.79E+00	1.11E-01	1.14E+00	3.26E-04	9.31E-02	1.18E-02	1.46E-02								
2012	Annual	2265002042	Cement and Mortar Mixers	G4	25	8.53E+02	2.15E+01	3.38E+01	3.22E-03	1.04E-01	1.32E-03	1.50E-01	3.81E-06	8.57E-05	1.81E-04									
2012	Annual	2265002045	Cranes	G4	50	2.49E+01	2.83E+01	5.53E+01	2.25E-03	6.31E-02	3.17E-02	4.26E-01	5.17E-06	3.26E-05	1.49E-04	1.26E-04								
2012	Annual	2265002045	Cranes	G4	120	4.98E+02	5.67E+01	1.94E+02	5.91E-03	2.04E-02	3.17E-02	1.68E+00	1.63E-05	1.30E-04	4.82E-04	3.31E-04								
2012	Annual	2265002045	Cranes	G4	500	1.97E+01	2.23E+01	3.61E+02	6.66E-02	1.11E-01	2.50E-02	2.11E+01	2.38E-04	8.89E-03	0.00E+00	2.14E-03								
2012	Annual	2265002054	Crushing/Proc. Equipment	G4	15	2.13E+01	1.69E+01	2.32E+01	1.78E-03	6.90E-02	1.15E-03	1.09E-01	2.76E-06	9.12E-04	7.16E-05	9.98E-05								
2012	Annual	2265002054	Crushing/Proc. Equipment	G4	120	2.89E+01	1.91E+01	1.51E+02	3.90E-03	6.91E-02	1.32E-02	1.33E+00	1.29E-05	1.03E-04	2.51E-04	2.19E-04								
2012	Annual	2265002057	Rough Terrain Forklifts	G4	50	9.96E+00	1.13F+01	3.74E+01	1.52F-03	4.27E-02	2.15F-03	2.88E-01	3.51F-06	2.21F-05	7.86F-05									
2012	Annual	2265002057	Rough Terrain Forklifts	G4	120	1.41E+02	1.60E+02	8.42E+02	2.57E-02	4.48E-01	7.44E-02	7.32E+00	7.08E-05	5.67E-04	1.72E-03	1.44E-03								
2012	Annual	2265002057	Rough Terrain Forklifts	G4	500	1.75E+01	4.98E+00	5.64E+00	4.62E+01	7.10E-04	1.51E-02	4.92E-03	4.19E-01	4.16E-06	3.34E-05	8.44E-05								
2012	Annual	2265002060	Rubber Tired Loaders	G4	50	2.49E+01	3.50E+01	8.59E+01	3.68E-03	1.03E-01	4.91E-03	5.62E-01	7.93E-06	5.00E-05	2.07E-04									
2012																								

2012 Annual	2270002027 Signal Boards	D	50	1.73E+01	2.54E+01	4.25E+01	1.61E-03	4.54E-03	4.52E-03	4.59E-01	5.93E-06	4.10E-04	0.00E+00	1.45E-04
2012 Annual	2270002027 Signal Boards	D	120	2.83E+02	4.15E+02	1.52E+03	2.66E-02	1.09E-01	1.73E-01	1.66E+01	1.95E-04	1.46E-02	0.00E+00	2.40E-03
2012 Annual	2270002027 Signal Boards	D	175	1.75E+02	2.57E+02	1.81E+03	2.14E-02	1.08E-01	1.83E-01	1.99E+01	2.23E-04	9.63E-03	0.00E+00	1.93E-03
2012 Annual	2270002027 Signal Boards	D	250	3.70E+01	5.44E+01	6.28E+02	4.74E-03	1.50E-02	5.86E-02	6.93E+00	7.80E-05	1.74E-03	0.00E+00	4.28E-04
2012 Annual	2270002030 Trenchers	D	15	9.26E+01	1.57E+02	6.06E+01	7.73E-04	4.05E-03	4.84E-03	6.64E-01	1.03E-05	1.88E-04	0.00E+00	6.97E-05
2012 Annual	2270002030 Trenchers	D	25	9.76E+01	1.65E+02	2.48E+02	3.29E-03	1.12E-02	2.08E-02	2.72E+00	3.45E-05	8.31E-04	0.00E+00	2.96E-04
2012 Annual	2270002030 Trenchers	D	50	3.71E+03	6.43E+03	9.91E+03	5.32E-01	1.34E+00	1.14E+00	1.06E+02	1.37E-03	1.20E-01	0.00E+00	4.80E-02
2012 Annual	2270002030 Trenchers	D	120	5.03E+03	8.72E+03	2.60E+04	5.89E-01	2.06E+00	3.60E+00	2.83E+02	3.31E-03	3.09E-01	0.00E+00	5.32E-02
2012 Annual	2270002030 Trenchers	D	175	5.51E+02	9.54E+02	6.27E+03	9.77E-02	4.14E-01	7.77E-01	6.86E+01	7.72E-04	4.29E-02	0.00E+00	8.81E-03
2012 Annual	2270002030 Trenchers	D	250	4.94E+01	8.56E+01	8.66E+02	1.06E-02	3.17E-02	1.02E-01	9.53E+00	1.07E-04	4.06E-03	0.00E+00	9.57E-04
2012 Annual	2270002030 Trenchers	D	500	6.30E+01	1.09E+02	1.54E+03	1.71E-02	7.63E-02	1.65E-01	1.70E+01	1.67E-04	6.48E-03	0.00E+00	1.54E-03
2012 Annual	2270002030 Trenchers	D	750	7.42E+00	1.29E+01	3.43E+02	3.82E-03	1.69E-02	3.72E-02	3.77E+00	3.79E-05	1.45E-03	0.00E+00	3.45E-04
2012 Annual	2270002033 Bore/Drill Rigs	D	15	1.23E+01	2.75E+01	1.30E+01	1.65E-04	8.67E-04	1.03E-03	1.42E-01	2.21E-06	3.99E-05	0.00E+00	1.49E-05
2012 Annual	2270002033 Bore/Drill Rigs	D	25	3.70E+01	8.24E+01	5.99E+01	7.98E-04	2.71E-03	5.07E-03	6.58E+00	8.35E-06	2.21E-04	0.00E+00	7.20E-05
2012 Annual	2270002033 Bore/Drill Rigs	D	50	1.62E+02	3.74E+02	5.30E+02	4.55E-03	4.36E-02	5.17E-02	5.79E+00	7.49E-05	2.79E-03	0.00E+00	5.91E-04
2012 Annual	2270002033 Bore/Drill Rigs	D	120	4.96E+02	1.15E+03	4.03E+03	2.94E-02	2.71E-01	2.88E-01	4.42E+01	5.18E-04	1.88E-02	0.00E+00	2.66E-03
2012 Annual	2270002033 Bore/Drill Rigs	D	175	1.15E+02	2.65E+02	1.70E+03	9.95E-03	9.99E-02	9.91E-02	1.87E+01	2.10E-04	4.85E-03	0.00E+00	8.97E-04
2012 Annual	2270002033 Bore/Drill Rigs	D	250	2.20E+02	5.08E+02	7.14E+03	4.34E-02	1.40E-01	3.34E-01	7.90E+01	7.75E-04	1.11E-02	0.00E+00	3.10E-03
2012 Annual	2270002033 Bore/Drill Rigs	D	500	1.15E+02	2.66E+02	7.39E+03	3.57E-02	1.45E-01	3.50E-01	8.17E+01	8.21E-04	1.15E-02	0.00E+00	3.22E-03
2012 Annual	2270002033 Bore/Drill Rigs	D	750	1.93E+02	4.45E+02	1.87E+04	1.00E-01	3.73E-01	4.07E+00	2.07E+02	2.08E-03	3.78E-02	0.00E+00	9.03E-03
2012 Annual	2270002036 Excavators	D	25	4.57E+01	1.75E+02	1.31E+02	1.73E-03	5.91E-03	1.10E-02	1.44E+00	1.82E-05	4.18E-04	0.00E+00	1.56E-04
2012 Annual	2270002036 Excavators	D	50	1.72E+03	6.72E+03	7.81E+03	3.06E-01	9.84E-01	8.62E+01	8.39E+01	1.09E-03	7.94E-02	0.00E+00	2.76E-02
2012 Annual	2270002036 Excavators	D	120	4.67E+03	1.82E+04	6.15E+04	1.08E+00	4.76E+00	6.65E+00	6.71E+02	7.87E-03	5.99E-01	0.00E+00	9.72E-02
2012 Annual	2270002036 Excavators	D	175	9.01E+03	3.52E+04	1.80E+05	2.27E+00	1.17E+01	1.69E+01	1.97E+03	2.22E-02	1.00E+00	0.00E+00	2.04E-01
2012 Annual	2270002036 Excavators	D	250	3.67E+03	1.43E+04	1.03E+05	9.30E-01	2.59E+00	8.89E+00	1.13E+03	1.28E-02	2.97E-01	0.00E+00	8.39E-02
2012 Annual	2270002036 Excavators	D	500	2.64E+03	1.03E+04	1.09E+05	9.31E-01	2.83E+00	8.31E+00	1.21E+03	1.18E-02	2.96E-01	0.00E+00	8.40E-02
2012 Annual	2270002036 Excavators	D	750	5.81E+01	2.27E+02	3.98E+03	3.41E-02	1.03E-01	3.12E-01	4.39E+01	4.42E-04	1.10E-02	0.00E+00	3.08E-03
2012 Annual	2270002039 Concrete/Industrial Saws	D	25	4.94E+00	8.02E+00	6.01E+00	7.98E-05	2.72E-04	5.05E-04	6.60E+02	8.37E-07	2.02E-05	0.00E+00	7.20E-06
2012 Annual	2270002039 Concrete/Industrial Saws	D	50	4.32E+01	6.87E+01	9.62E+01	3.59E-03	1.04E-02	1.02E-02	1.04E+00	1.34E-05	9.20E-04	0.00E+00	3.24E-04
2012 Annual	2270002039 Concrete/Industrial Saws	D	120	7.53E+01	1.20E+02	4.06E+02	9.91E-03	2.92E-02	4.56E-02	4.44E+00	5.21E-05	3.83E-03	0.00E+00	6.24E-04
2012 Annual	2270002042 Cement and Mortar Mixers	D	15	6.31E+02	5.19E+02	1.50E+02	1.95E-03	1.00E-02	1.23E-02	1.64E+00	2.55E-06	6.05E-04	0.00E+00	1.76E-04
2012 Annual	2270002042 Cement and Mortar Mixers	D	25	5.68E+01	4.67E+01	3.74E+01	6.85E-04	1.99E-03	3.61E-03	4.10E-01	5.20E-06	2.11E-04	0.00E+00	6.18E-05
2012 Annual	2270002045 Cranes	D	50	4.20E+01	1.47E+01	1.60E+02	8.12E-03	2.19E-02	1.83E-02	1.71E+00	2.21E-05	1.90E-03	0.00E+00	7.32E-04
2012 Annual	2270002045 Cranes	D	120	4.61E+02	1.62E+03	3.72E+03	7.94E-02	2.95E-01	4.72E-01	4.05E+01	4.75E-04	4.31E-02	0.00E+00	7.16E-03
2012 Annual	2270002045 Cranes	D	175	4.61E+02	1.62E+03	5.94E+03	8.80E-02	3.91E-01	6.68E-01	5.16E+01	5.81E-04	2.92E-02	0.00E+00	5.81E-03
2012 Annual	2270002045 Cranes	D	250	8.93E+02	3.14E+03	1.60E+04	1.73E-01	4.86E-01	1.68E+00	1.76E+02	1.98E-03	6.08E-02	0.00E+00	1.56E-02
2012 Annual	2270002045 Cranes	D	500	3.27E+02	1.15E+03	9.39E+03	9.39E-02	2.87E-01	3.14E-01	2.85E-03	3.14E-01	3.54E-06	1.51E-04	0.00E+00
2012 Annual	2270002045 Cranes	D	750	2.41E+02	8.47E+02	1.17E+04	1.71E-01	4.05E-01	1.12E+00	1.28E+02	1.29E-03	4.12E-02	0.00E+00	1.06E-02
2012 Annual	2270002045 Cranes	D	9999	3.03E+02	1.06E+03	4.69E+04	5.26E-01	1.90E+01	5.16E+01	5.18E-03	5.18E-01	4.00E+00	4.49E-03	0.00E+00
2012 Annual	2270002048 Graders	D	50	1.73E+01	4.51E+01	5.79E+01	2.66E-03	7.58E-03	6.49E-03	6.20E-01	8.02E-06	6.44E-04	0.00E+00	2.40E-04
2012 Annual	2270002048 Graders	D	120	1.15E+03	3.01E+03	1.03E+04	2.03E-01	8.05E-01	1.24E+00	1.13E+02	1.32E-03	1.11E-01	0.00E+00	1.83E-02
2012 Annual	2270002048 Graders	D	175	3.94E+03	1.03E+04	5.81E+04	7.98E-01	3.78E+00	6.13E+00	6.36E+02	7.16E-03	3.53E-01	0.00E+00	7.20E-02
2012 Annual	2270002048 Graders	D	250	2.45E+03	6.38E+03	4.98E+04	5.02E-01	1.44E+00	4.89E+00	5.48E+02	6.17E-03	1.74E-01	0.00E+00	4.53E-02
2012 Annual	2270002048 Graders	D	500	6.92E+01	1.80E+02	1.88E+03	1.75E-02	5.98E-02	1.64E-01	2.07E+01	2.03E-04	6.04E-03	0.00E+00	1.58E-03
2012 Annual	2270002048 Graders	D	750	3.71E+00	9.68E+00	2.13E+02	2.00E-03	6.79E-03	1.91E-02	2.35E-02	2.36E-05	6.96E-04	0.00E+00	1.81E-04
2012 Annual	2270002051 Off-Highway Trucks	D	175	8.03E+01	4.38E+02	2.50E+03	3.36E-02	1.66E-01	2.42E-01	2.74E+01	3.08E-04	1.46E-02	0.00E+00	3.03E-03
2012 Annual	2270002051 Off-Highway Trucks	D	250	5.93E+02	3.24E+03	2.44E+04	2.37E-01	6.38E-01	2.18E+00	2.69F+02	3.03E-03	7.44F-02	0.00E+00	2.14F-02
2012 Annual	2270002051 Off-Highway Trucks	D	500	8.35E+02	4.56E+03	5.62E+04	5.15E-01	1.52E+00	4.43E+00	6.20E+02	6.09E-03	1.61E-01	0.00E+00	4.65E-02
2012 Annual	2270002051 Off-Highway Trucks	D	750	7.78E+02	4.25E+03	8.50E+04	7.84E-01	2.29E+00	6.90E+00	9.37E+02	9.42E-03	2.47E-01	0.00E+00	7.07E-02
2012 Annual	2270002051 Off-Highway Trucks	D	1000	3.65E+02	1.99E+03	5.64E+04	5.76E-01	1.78E+00	6.36E+00	6.21E+02	6.24E-03	1.92E-01	0.00E+00	5.19E-02
2012 Annual	2270002054 Crushing/Proc. Equipment	D	50	1.98E+02	5.17E+02	1.06E+03	4.98E-02	1.35E-01	1.17E-01	1.14E+01	1.47E-04	1.19E-02	0.00E+00	4.49E-03
2012 Annual	2270002054 Crushing/Proc. Equipment	D	120	5.57E+02	1.46E+03	5.56E+03	1.11E-01	4.25E-01	6.68E-01	6.06E+01	7.11E-04	6.20E-02	0.00E+00	1.00E-02
2012 Annual	2270002054 Crushing/Proc. Equipment	D	175	2.36E+02	6.18E+02	4.71E+03	6.44E-02	2.98E-01	5.04E-01	5.16E+01	5.81E-04	2.92E-02	0.00E+00	5.81E-03
2012 Annual	2270002054 Crushing/Proc. Equipment	D	250	2.35E+01	6.14E+01	6.81E+02	6.00E-03	1.72E-02	6.72E-02	7.51E+00	8.45E-05	2.09E-03	0.00E+00	5.41E-04
2012 Annual	2270002054 Crushing/Proc. Equipment	D	500	1.32E+02	3.46E+02	5.86E+03	4.72E-02	1.55E-01	5.09E-01	6.46E+01	6.34E-04	1.68E-02	0.00E+00	4.26E-03
2012 Annual	2270002054 Crushing/Proc. Equipment	D	750	6.19E+00	1.62E+01	4.32E+02	3.53E-03	1.12E-02	3.91E-02	4.76E+00	4.79E-05	1.26E-03	0.00E+00	3.18E-04
2012 Annual	2270002054 Crushing/Proc. Equipment	D	9999	6.19E+00	1.62E+01	9.61E+02	9.80E-03	3.27E-02	1.15E-01	1.06E+01	1.06E-04	3.40E-03	0.00E+00	8.84E-04
2012 Annual	2270002057 Rough Terrain Forklifts	D	50	1.37E+02	4.26E+02	6.71E+02	8.20E-02	3.82E-01	7.35E-02	7.20E+00	9.31E-05	7.03E-03	0.00E+00	2.52E-03
2012 Annual	2270002057 Rough Terrain Forklifts	D												

2012 Annual	2270002075 Off-Highway Tractors	D	120	1.23E+00	3.78E+00	1.63E+01	4.20E-04	1.37E-03	2.45E-03	1.77E-01	2.08E-06	2.16E-04	0.00E+00	3.79E-05
2012 Annual	2270002075 Off-Highway Tractors	D	175	1.51E+03	4.63E+03	2.76E+04	4.94E-01	1.94E+00	3.72E+00	3.02E+02	3.39E-03	2.13E-01	0.00E+00	4.45E-02
2012 Annual	2270002075 Off-Highway Tractors	D	250	1.43E+03	4.37E+03	2.60E+04	3.75E-01	1.07E+00	3.34E+00	2.85E+02	3.21E-03	1.41E-01	0.00E+00	3.39E-02
2012 Annual	2270002075 Off-Highway Tractors	D	750	6.21E+02	1.90E+03	4.93E+04	6.49E-01	2.95E+00	5.84E+00	5.40E+02	5.43E-03	2.39E-01	0.00E+00	5.85E-02
2012 Annual	2270002075 Off-Highway Tractors	D	1000	6.56E+01	2.01E+02	7.46E+03	1.03E-01	4.84E-01	1.05E+00	8.17E+01	8.21E-04	3.63E-02	0.00E+00	9.28E-03
2012 Annual	2270002078 Dumpers/Tenders	D	25	2.96E+01	5.38E+01	1.87E+01	2.68E-04	8.71E-04	1.65E-03	2.05E-01	2.60E-09	8.40E-05	0.00E+00	2.42E-05
2012 Annual	2270002081 Other Construction Equipment	D	15	4.09E+02	7.73E+02	3.57E+02	4.55E-03	2.38E-02	2.85E-02	3.91E+00	6.08E-05	1.10E-03	0.00E+00	4.10E-04
2012 Annual	2270002081 Other Construction Equipment	D	25	6.92E+01	1.31E+02	7.87E+01	1.05E-03	3.56E-03	6.66E-03	8.64E-01	1.10E-05	2.90E-04	0.00E+00	9.45E-05
2012 Annual	2270002081 Other Construction Equipment	D	50	1.06E+02	2.05E+02	2.65E+02	4.61E-03	2.80E-02	2.77E-02	2.86E+00	3.70E-05	2.33E-03	0.00E+00	7.77E-04
2012 Annual	2270002081 Other Construction Equipment	D	120	1.75E+02	3.38E+02	1.25E+03	1.86E-02	8.98E-02	1.27E-01	1.37E+01	1.60E-04	1.07E-02	0.00E+00	1.68E-03
2012 Annual	2270002081 Other Construction Equipment	D	175	2.42E+02	4.67E+02	2.26E+03	2.35E-02	1.37E-01	2.00E-01	2.48E+01	2.79E-04	1.09E-02	0.00E+00	2.12E-03
2012 Annual	2270002081 Other Construction Equipment	D	500	5.62E+02	1.08E+03	1.25E+04	8.21E-02	2.94E-01	8.97E-01	1.38E+02	1.35E-03	2.95E-02	0.00E+00	7.41E-03

/EPISODE/	Averaging Days	:	MON-SUN
Start Month/Season :	ANNUAL	:	
Report HC as	: ROG	:	
Report By County	: NO	:	
Report By-MYr Exch	: YES	:	
Report By-MYr Evap	: YES	:	
Report By-MYr Toxic	: YES	:	
/END/		:	
/ASC/		:	
Off-Road Motorcycles Inactive	:	2260001011	:
Snowmobiles Inactive	:	2260001021	:
All Terrain Vehicles (ATVs) Inactive	:	2260001031	:
Off-Road Motorcycles Active	:	2260001010	:
Snowmobiles Active	:	2260001020	:
All Terrain Vehicles (ATVs) Active	:	2260001030	:
Golf Carts	:	2260001050	:
Specialty Vehicles Carts	:	2260001060	:
Off-Road Motorcycles Inactive	:	2265001011	:
All Terrain Vehicles (ATVs) Inactive	:	2265001031	:
Off-Road Motorcycles Active	:	2265001010	:
All Terrain Vehicles (ATVs) Active	:	2265001030	:
Minibikes	:	2265001040	:
Golf Carts	:	2265001050	:
Specialty Vehicles Carts	:	2265001060	:
Tampers/Rammers	:	2260002006	:
Plate Compactors	:	2260002009	:
Asphalt Pavers	:	2265002003	:
Tampers/Rammers	:	2265002006	:
Plate Compactors	:	2265002009	:
Rollers	:	2265002015	:
Paving Equipment	:	2265002021	:
Surfacing Equipment	:	2265002024	:
Signal Boards	:	2265002027	:
Tranchers	:	2265002030	:
Bore/Dill Rigs	:	2265002033	:
Concrete/Industrial Saws	:	2265002039	:
Cement and Mortar Mixers	:	2265002042	:
Cranes	:	2265002045	:
Crushing/Proc. Equipment	:	2265002054	:
Rough Terrain Forklifts	:	2265002057	:
Rubber Tired Loaders	:	2265002060	:
Tractors/Loaders/Backhoes	:	2265002066	:
Skid Steer Loaders	:	2265002072	:
Dumpers/Tenders	:	2265002078	:
Other Construction Equipment	:	2265002081	:
Pavers	:	2270002003	:
Plate Compactors	:	2270002009	:
Rollers	:	2270002015	:
Scrapers	:	2270002018	:
Paving Equipment	:	2270002021	:

Other Lawn & Garden Equipment	: 2265004075	Surfacing Equipment	: 2270002024
Leaf Blowers/Vacuums	: 2270004035	Signal Boards	: 2270002027
Snowblowers	: 2270004035	Trenchers	: 2270002030
Lawn & Garden Tractors	: 2270004055	Bore/Drill Rigs	: 2270002033
Chippers/Stump Grinders	: 2270004065	Excavators	: 2270002036
Commercial Turf Equipment	: 2270004070	Concrete/Industrial Saws	: 2270002039
Other Lawn & Garden Equipment	: 2270004075	Cement and Mortar Mixers	: 2270002042
Generator Sets	: 2260006005	Cranes	: 2270002045
Pumps	: 2260006010	Graders	: 2270002048
Generator Sets	: 2265006005	Off-Highway Trucks	: 2270002051
Pumps	: 2265006010	Crushing/Proc. Equipment	: 2270002054
Air Compressors	: 2265006015	Rough Terrain Forklifts	: 2270002057
Welders	: 2265006025	Rubber Tired Loaders	: 2270002060
Pressure Washers	: 2265006030	Rubber Tired Dozers	: 2270002063
Generator Sets	: 2266006005	Tractors/Loaders/Backhoes	: 2270002066
Gas Compressors	: 2266006020	Crawler Tractors	: 2270002069
Generator Sets	: 2270006005	Skid Steer Loaders	: 2270002072
Pumps	: 2270006010	Off-Highway Tractors	: 2270002075
Air Compressors	: 2270006015	Dumpers/Tenders	: 2270002078
Welders	: 2270006025	Other Construction Equipment	: 2270002081
Pressure Washers	: 2270006030	Other General Industrial Equipment	: 2260003040
Chainsaws	: 2260007005	Aerial Lifts	: 2265003010
Shredders	: 2265007010	Forklifts	: 2265003020
Shredders	: 2270007010	Sweepers/Scrubbers	: 2265003030
Skidders	: 2270007015	Other General Industrial Equipment	: 2265003040
Feillers/Bunchers	: 2270007020	Other Material Handling Equipment	: 2265003050
2-Wheel Tractors	: 2265005010	Aerial Lifts	: 2266003010
Agricultural Tractors	: 2265005015	Forklifts	: 2266003020
Combines	: 2265005020	Aerial Lifts	: 2270003010
Balers	: 2265005025	Forklifts	: 2270003020
Agricultural Mowers	: 2265005030	Sweepers/Scrubbers	: 2270003030
Sprayers	: 2265005035	Other General Industrial Equipment	: 2270003040
Tillers	: 2265005040	Other Material Handling Equipment	: 2270003050
Swathers	: 2265005045	Lawn Mowers	: 2266004010
Hydro Power Units	: 2265005050	Chainsaws	: 2260004020
Other Agricultural Equipment	: 2265005055	Chainsaws Preempt	: 2270003030
Agricultural Tractors	: 2270005015	Trimmers/Edgers/Brush Cutters	: 2260004025
Combines	: 2270005020	Leaf Blowers/Vacuums	: 2260004030
Agricultural Mowers	: 2270005025	Snowblowers	: 2260004035
Sprayers	: 2270005035	Shredders	: 2260004050
Tillers	: 2270005040	Commercial Turf Equipment	: 2260004070
Swathers	: 2270005045	Other Lawn & Garden Equipment	: 2260004075
Hydro Power Units	: 2270005050	Lawn Mowers	: 2265004010
Other Agricultural Equipment	: 2270005055	Tillers	: 2265004015
Cargo Tractor	: 2265008010	Trimmers/Edgers/Brush Cutters	: 2265004025
A/C Tug Narrow Body	: 2265008015	Leaf Blowers/Vacuums	: 2265004030
A/C Tug Wide Body	: 2265008020	Snowblowers	: 2265004035
Air Conditioner	: 2265008025	Rear Engine Riding Mowers	: 2265004040
Air Start Unit	: 2265008030	Front Mowers	: 2265004045
Baggage Tug	: 2265008035	Shredders	: 2265004050
Beit Loader	: 2265008040	Lawn & Garden Tractors	: 2265004055
Bobtail	: 2265008045	Wood Splitters	: 2265004060
Cargo Loader	: 2265008050	Chippers/Stump Grinders	: 2265004065
		Commercial Turf Equipment	: 2265004070

Transport Refrigeration Units	: 2265009005	: 2265008055
Transport Refrigeration Units	: 2270009005	: 2265008060
Compressors (Workover)	: 2270010005	: 2265008065
Pump (Workover)	: 2270010010	: 2265008070
Generator (Workover)	: 2270010015	: 2265008075
Swivel	: 2270010020	: 2265008080
Snubbing	: 2270010025	: 2265008085
Other Workover Equipment	: 2270010030	: 2265008090
Lift (Drilling)	: 2270010035	: 2265008095
Pump (Drilling)	: 2270010040	: 2265008100
Generator (Drilling)	: 2270010045	: 2265008101
Other Drilling Equipment	: 2270010050	: 2265008102
Drill Rig	: 2270010055	: 2265008103
Drill Rig (Mobile)	: 2270010057	: 2265008105
Workover Rig (Mobile)	: 2270010058	: 2265008106
Pressure Washers	: 2270010060	: 2265008110
A/C unit	: 2270011005	: 2265008111
Aircraft Support	: 2270011010	: 2266008010
Cart	: 2270011015	: 2266008025
Communications	: 2270011020	: 2266008035
Compressor (Military)	: 2270011025	: 2266008040
Crane	: 2270011030	: 2266008045
Deicer	: 2270011040	: 2266008050
Generator (Military)	: 2270011050	: 2266008065
Hydraulic unit	: 2270011060	: 2266008070
Lift (Military)	: 2270011065	: 2266008075
Light	: 2270011070	: 2266008080
Pressure Washers	: 2270011075	: 2266008100
Pump (Military)	: 2270011080	: 2266008101
Start Cart	: 2270011085	: 2266008102
Test Stand	: 2270011090	: 2266008105
Welder	: 2270011100	: 2266008106
Other tactical support equipment	: 2270011105	: 2270008010
Compressor (Dredging)	: 2270012005	: 2270008015
Crane (Dredging)	: 2270012010	: 2270008020
Deck/door engine	: 2270012015	: 2270008025
Dredger	: 2270012020	: 2270008030
Hoist/swing/winch	: 2270012025	: 2270008035
Pump (Dredging)	: 2270012030	: 2270008040
Generator (Dredging)	: 2270012035	: 2270008045
Other (Dredging)	: 2270012040	: 2270008050
Misc Portable Equipment	: 2270013010	: 2270008065
Generator (Entertainment)	: 2270014005	: 2270008070
Compressor (Entertainment)	: 2270014010	: 2270008075
Compressor (Railyard)	: 2270015005	: 2270008085
Crane (Rail-CHE)	: 2270015010	: 2270008090
Materials Handling (Railyard)	: 2270015015	: 2270008100
Generator (Railyard)	: 2270015020	: 2270008101
Vessels w/Outboard Engines	: 2282005010	: 2270008102
Sailboat Auxiliary Outboard Engin	: 2282005025	: 2270008103
Personal Water Craft	: 2282005030	: 2270008105
Vessels w/Inboard Engines	: 2282010005	: 2270008106
Vessels w/Outboard Engines	: 2282010010	: 2270008111
Vessels w/Sterndrive Engines	: 2282010015	: 2270008115

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/EPISODE/
    Averaging Days : MON-SUN
    Start Month/Season : ANNUAL
    Report HC as : ROG
    Report BY-MYr Exh : YES
    Report BY-MYr Evap : YES
    Report BY-MYr Toxic: YES
/END/

/ASC/
    Tamers/Rammers : 2260002006
    Plate Compactors : 2260002009
    Asphalt Pavers : 2265002003
    Tamers/Rammers : 2265002006
    Plate Compactors : 2265002009
    Rollers : 2265002015
    Paving Equipment : 2265002021
    Surfacing Equipment : 2265002024
    Signal Boards : 2265002027
    Trenchers : 2265002030
    Bore/Drill Rigs : 2265002033
    Concrete/Industrial Saws : 2265002039
    Cement and Mortar Mixers : 2265002042
    Cranes : 2265002045
    Crushing/Proc. Equipment : 2265002054
    Rough Terrain Forklifts : 2265002057
    Rubber-Tired Loaders : 2265002060
    Tractors/Loaders/Backhoes : 2265002066
    Skid Sheer Loaders : 2265002072
    Dumpers/Tenders : 2265002078
    Other Construction Equipment : 2270002081
    Pavers : 2270002003
    Plate Compactors : 2270002009
    Rollers : 2270002015
    Scrapers : 2270002018
    Paving Equipment : 2270002021
    Surfacing Equipment : 2270002024
    Signal Boards : 2270002027
    Trenchers : 2270002030
    Bore/Drill Rigs : 2270002033
    Excavators : 2270002036
    Cranes : 2270002039
    Concrete/Industrial Saws : 2270002042
    Cement and Mortar Mixers : 2270002045
    Graders : 2270002048
    Off-Highway Trucks : 2270002051
    Crushing/Proc. Equipment : 2270002054
    Rough Terrain Forklifts : 2270002057
    Rubber-Tired Loaders : 2270002060
    Rubber-Tired Dozers : 2270002063
    Tractors/Loaders/Backhoes : 2270002066
    Crawler Tractors : 2270002069

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Sailboat Auxiliary Inboard Engine : 2282010020
Vessels w/Inboard Jet Engines : 2282010040
Vessels w/Inboard Engines : 2282020005
Sailboat Auxiliary Inboard Engine : 2282020020
/END/

/FUEL TYPE/
    Gasoline 2-Stroke : G2
    Gasoline 4-Stroke : G4
    Diesel : D
/END/


/HORSEPOWER/
    120 Hp - 175 Hp : 175.
    175 Hp - 250 Hp : 250.
    250 Hp - 500 Hp : 500.
    500 Hp - 750 Hp : 750.
    750 Hp - 1000 Hp : 1000.
    > 1000 Hp : 9999.
/END/


/AirDistrict/
    Monterey Bay Unifile: MEU
/END/


/OUTPUT FILES/
    Exhaust : MEUAPCD 2011.Exh.tab
    Evap : MEUAPCD 2011.Evp.tab
    Toxics : MEUAPCD 2011.Tox.tab
    Exhaust By Model Ye: MEUAPCD 2011.BMYExh.tab
    Evap By Model Year : MEUAPCD 2011.BMVEvp.tab
    Toxics By Model Year: MEUAPCD 2011.BMVTox.tab
    CFS : MEUAPCD 2011.Cefs.tab
    CEIDARSPr : MEUAPCD 2011.CdrPr.tab
    CEIDARSEM : MEUAPCD 2011.CdrEm.tab
/END/

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Emfac2007-Header : 2270002072
Version 2 30 3 501 : 2270002075
Scenario-Count 2 : 2270002078
End-Header : 2270002081
Begin-Scenario 1 : 2260006005
Title MRY 2011 ROG PM10 : 2260006010
Program-Mode Emfac : 2265006005
Area-Method Average : 2265006010
Area-Type District : 2265006015
Area-Number 19 [Monterey Bay Unified APCD] : 2265006025
HC-Mode ROG : 2265006030
PM-Mode PM10 : 2266006005
Cyr 2011 : 2266006020
MRY All : 2270006005
Vehicles All : 2270006010
Season Annual : 2270006015
Emfac-Reports RTL : 2270006025
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65. : /END/
Emfac-RH 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. : /END/
Emfac-Temp -20. -10. 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. : /END/
120.
End-Scenario : /HORSEPOWER/
Begin-Scenario 2 : 175.
Title MRY 2011 CH4 PM2.5 : 175.
Program-Mode Emfac : 250.
Area-Method Average : 500.
Area-Type District : 750.
Area-Number 19 [Monterey Bay Unified APCD] : 750.
HC-Mode CH4 : 1000.
PM-Mode PM2.5 : /END/
Cyr 2011 : /END/
MRY All : /END/
Vehicles All : 999.
Season Annual : /END/
Emfac-Reports RTL : /AirDistrict/
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65. : Monterey Bay Unifie: MBU
Emfac-RH 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. : /END/
Emfac-Temp -20. -10. 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. : /END/
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End-Scenario : /OUTPUT FILES/
Begin-Scenario 1 : MEUAPCD 2012_Exh.tab
Title MRY 2011 ROG PM10 : MEUAPCD 2012_Evp.tab
Program-Mode Emfac : MEUAPCD 2012_Tox.tab
Area-Method Average : /END/
Area-Type District : /END/
Area-Number 19 [Monterey Bay Unified APCD] : /END/
HC-Mode ROG : /END/
PM-Mode PM10 : /END/
Cyr 2011 : /END/

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HC-Mode ROG
PM-Mode PM10
Cyr 2012
MYr All
Vehicles All
Season Annual
Emfac-Reports RTL
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
Emfac-RH 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.
Emfac-Temp -20. -10. 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.
120.

End-Scenario
Begin-Scenario 4
Title MYr 2012 CH4 PM2.5
Program-Mode Emfac
Area-Type District
Area-Number 19 [Monterey Bay Unified APCD]
HC-Mode CH4
PM-Mode PM2.5
Cyr 2012
MYr All
Vehicles All
Season Annual
Emfac-Reports RTL
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
Emfac-RH 65.
Emfac-Temp 57.

End-Scenario
Emfac2007-Header
Version 2 30 3 501
Scenario-Count 4
End-Header
Begin-Scenario 1
Title MYr 2011 ROG PM10
Program-Mode Emfac
Area-Method Average
Area-Type District
Area-Number 19 [Monterey Bay Unified APCD]
HC-Mode ROG
PM-Mode PM10
Cyr 2011
MYr All
Vehicles All
Season Annual
Emfac-Reports RTL
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
Emfac-RH 65.
Emfac-Temp 57.

End-Scenario
Begin-Scenario 2
Title MYr 2011 CH4 PM2.5
Program-Mode Emfac
Area-Method Average
Area-Type District
Area-Number 19 [Monterey Bay Unified APCD]
HC-Mode CH4
PM-Mode PM2.5
Cyr 2011
MYr All
Vehicles All
Season Annual
Emfac-Reports RTL
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
Emfac-RH 65.
Emfac-Temp 57.

End-Scenario
Begin-Scenario 3
Title MYr 2012 ROG PM10
Program-Mode Emfac
Area-Method Average
Area-Type District
Area-Number 19 [Monterey Bay Unified APCD]
HC-Mode ROG
PM-Mode PM10
Cyr 2011
MYr All
Vehicles All
Season Annual
Emfac-Reports RTL
Emfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
Emfac-RH 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.
Emfac-Temp -20. -10. 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.
120.

End-Scenario
Begin-Scenario 2
Title MYr 2011 CH4 PM2.5
Program-Mode Emfac

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Area-Methode Average
 Area-Type District
 Area-Number 19 [Monterey Bay Unified APCD]
 HC-Mode CH4
 PM-Mode PM2.5
 CYr 2011
 MYr All
 Vehicles All
 Season Annual
 Enfac-Reports RTL
 Enfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
 Enfac-RH 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.
 Enfac-Temp -20. -10. 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.
 120.
 End-Scenario
 Begin-Scenario 3
 Title MRY 2012 ROG PM10
 Program-Mode Emfac
 Area-Methode Average
 Area-Type District
 Area-Number 19 [Monterey Bay Unified APCD]
 HC-Mode ROG
 PM-Mode PM10
 CYr 2012
 MYr All
 Vehicles All
 Season Annual
 Enfac-Reports RTL
 Enfac-Speed 0 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65.
 Enfac-RH 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.
 Enfac-Temp -20. -10. 0 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.
 120.
 End-Scenario

Title : MRY 2011 ROG PM10
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2009/12/02 09:20:13
 Scen Year: 2011 -- All model years in the range 1967 to 2011 selected
 Season : Annual
 Area : Monterey Bay Unified APCD

Year: to
Emfac2007 Emission Factors: V2.3 Nov 1 2006

Title : MRY 2011 CH4 PM2.5
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2009/12/02 09:20:13
 Scen Year: 2011 -- All model years in the range 1967 to 2011 selected
 Season : Annual
 Area : Monterey Bay Unified APCD

Year: to
Emfac2007 Emission Factors: V2.3 Nov 1 2006

District Average

District Average

Pollutant Name: Reactive Org Gases		Relative Humidity: 65%			
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	
0	0	0	3.173	12.28	
5	0.43	0.751	0.726	10.716	
10	0.28	0.501	0.57	5.962	
15	0.191	0.35	0.457	2.854	
20	0.137	0.256	0.375	1.521	
25	0.104	0.198	0.315	1.229	
30	0.083	0.159	0.27	0.997	
35	0.07	0.135	0.236	0.825	
40	0.062	0.12	0.212	0.713	
45	0.057	0.112	0.194	0.66	
50	0.056	0.109	0.181	0.668	
55	0.058	0.112	0.174	0.735	
60	0.063	0.122	0.17	0.862	
65	0.073	0.139	0.17	1.049	

Pollutant Name: Methane		Relative Humidity: 65%			
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	
0	0	0	0.147	0.57	
5	0.073	0.099	0.034	0.498	
10	0.057	0.08	0.026	0.277	
15	0.047	0.067	0.021	0.133	
20	0.039	0.058	0.017	0.071	
25	0.032	0.05	0.015	0.057	
30	0.028	0.044	0.013	0.046	
35	0.025	0.04	0.011	0.038	
40	0.024	0.038	0.01	0.033	
45	0.023	0.036	0.009	0.031	
50	0.022	0.036	0.008	0.031	
55	0.023	0.037	0.008	0.034	
60	0.024	0.038	0.008	0.04	
65	0.027	0.041	0.008	0.049	

Pollutant Name: Carbon Monoxide		Relative Humidity: 65%			
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	
0	0	0	26.3	52.834	
5	4.742	10.008	9.091	17.334	
10	4.173	8.515	6.269	12.57	
15	3.718	7.396	4.524	9.002	
20	3.347	6.538	3.416	6.767	
25	3.04	5.869	2.7	5.751	
30	2.784	5.344	2.234	4.896	
35	2.57	4.933	1.933	4.203	

Pollutant Name: Carbon Monoxide		Relative Humidity: 65%			
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	
0	0	0	26.3	52.834	
5	4.742	10.008	9.091	17.334	
10	4.173	8.515	6.269	12.57	
15	3.718	7.396	4.524	9.002	
20	3.347	6.538	3.416	6.767	
25	3.04	5.869	2.7	5.751	
30	2.784	5.344	2.234	4.896	
35	2.57	4.933	1.933	4.203	

40	2.392	4.618	1.752	3.67	40	2.392	4.618	1.752	3.67
45	2.246	4.39	1.661	3.298	45	2.246	4.39	1.661	3.298
50	2.129	4.245	1.648	3.087	50	2.129	4.245	1.648	3.087
55	2.042	4.191	1.711	3.038	55	2.042	4.191	1.711	3.038
60	1.987	4.245	1.86	3.149	60	1.987	4.245	1.86	3.149
65	1.971	4.444	2.116	3.422	65	1.971	4.444	2.116	3.422

Pollutant Name: Oxides of Nitrogen					Relative Humidity: 65%					Pollutant Name: Oxides of Nitrogen					Relative Humidity: 65%				
Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD
MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL
0	0	0	75.051	110.03	0	0	0	75.051	110.03	0	0	0	4098	6466.296	0	0	0	4098	6466.296
5	0.5	1.04	12.095	36.355	5	0.5	1.04	12.095	36.355	5	0.5	1.04	12.095	36.355	5	0.5	1.04	12.095	36.355
10	0.43	0.882	10.034	25.092	10	0.43	0.882	10.034	25.092	10	0.43	0.882	10.034	25.092	10	0.43	0.882	10.034	25.092
15	0.379	0.768	8.626	18.142	15	0.379	0.768	8.626	18.142	15	0.379	0.768	8.626	18.142	15	0.379	0.768	8.626	18.142
20	0.34	0.685	7.683	15.47	20	0.34	0.685	7.683	15.47	20	0.34	0.685	7.683	15.47	20	0.34	0.685	7.683	15.47
25	0.312	0.627	7.09	14.761	25	0.312	0.627	7.09	14.761	25	0.312	0.627	7.09	14.761	25	0.312	0.627	7.09	14.761
30	0.292	0.587	6.78	14.196	30	0.292	0.587	6.78	14.196	30	0.292	0.587	6.78	14.196	30	0.292	0.587	6.78	14.196
35	0.278	0.562	6.718	13.775	35	0.278	0.562	6.718	13.775	35	0.278	0.562	6.718	13.775	35	0.278	0.562	6.718	13.775
40	0.271	0.55	6.896	13.499	40	0.271	0.55	6.896	13.499	40	0.271	0.55	6.896	13.499	40	0.271	0.55	6.896	13.499
45	0.268	0.551	7.336	13.367	45	0.268	0.551	7.336	13.367	45	0.268	0.551	7.336	13.367	45	0.268	0.551	7.336	13.367
50	0.271	0.563	8.085	13.38	50	0.271	0.563	8.085	13.38	50	0.271	0.563	8.085	13.38	50	0.271	0.563	8.085	13.38
55	0.28	0.59	9.233	13.537	55	0.28	0.59	9.233	13.537	55	0.28	0.59	9.233	13.537	55	0.28	0.59	9.233	13.537
60	0.294	0.632	10.924	13.838	60	0.294	0.632	10.924	13.838	60	0.294	0.632	10.924	13.838	60	0.294	0.632	10.924	13.838
65	0.316	0.694	13.393	14.284	65	0.316	0.694	13.393	14.284	65	0.316	0.694	13.393	14.284	65	0.316	0.694	13.393	14.284

Pollutant Name: Carbon Dioxide					Relative Humidity: 65%					Pollutant Name: Carbon Dioxide					Relative Humidity: 65%				
Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD
MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL
0	0	0	4098	6466.296	0	0	0	4098	6466.296	0	0	0	4098	6466.296	0	0	0	4098	6466.296
5	952.993	1182.335	1505	3845.36	5	952.993	1182.335	1505	3845.36	5	952.993	1182.335	1505	3845.36	5	952.993	1182.335	1505	3845.36
10	720.133	893.437	1505	3165.446	10	720.133	893.437	1505	3165.446	10	720.133	893.437	1505	3165.446	10	720.133	893.437	1505	3165.446
15	564.796	700.718	1505	2595.958	15	564.796	700.718	1505	2595.958	15	564.796	700.718	1505	2595.958	15	564.796	700.718	1505	2595.958
20	459.755	570.398	1505	2183.16	20	459.755	570.398	1505	2183.16	20	459.755	570.398	1505	2183.16	20	459.755	570.398	1505	2183.16
25	388.434	481.913	1505	2042.684	25	388.434	481.913	1505	2042.684	25	388.434	481.913	1505	2042.684	25	388.434	481.913	1505	2042.684
30	340.615	422.585	1505	1924.234	30	340.615	422.585	1505	1924.234	30	340.615	422.585	1505	1924.234	30	340.615	422.585	1505	1924.234
35	310.003	384.606	1505	1827.808	35	310.003	384.606	1505	1827.808	35	310.003	384.606	1505	1827.808	35	310.003	384.606	1505	1827.808
40	292.835	363.307	1505	1753.407	40	292.835	363.307	1505	1753.407	40	292.835	363.307	1505	1753.407	40	292.835	363.307	1505	1753.407
45	287.102	356.195	1505	1701.031	45	287.102	356.195	1505	1701.031	45	287.102	356.195	1505	1701.031	45	287.102	356.195	1505	1701.031
50	292.15	362.458	1505	1670.679	50	292.15	362.458	1505	1670.679	50	292.15	362.458	1505	1670.679	50	292.15	362.458	1505	1670.679
55	308.554	382.809	1505	1662.352	55	308.554	382.809	1505	1662.352	55	308.554	382.809	1505	1662.352	55	308.554	382.809	1505	1662.352
60	338.23	419.627	1505	1676.049	60	338.23	419.627	1505	1676.049	60	338.23	419.627	1505	1676.049	60	338.23	419.627	1505	1676.049
65	384.812	477.419	1505	1711.772	65	384.812	477.419	1505	1711.772	65	384.812	477.419	1505	1711.772	65	384.812	477.419	1505	1711.772

Pollutant Name: Sulfur Dioxide					Relative Humidity: 65%					Pollutant Name: Sulfur Dioxide					Relative Humidity: 65%				
Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD
MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL
0	0	0	0.039	0.062	0	0	0	0.039	0.062	0	0	0	0.039	0.062	0	0	0	0.039	0.062
5	0.009	0.012	0.014	0.037	5	0.009	0.012	0.014	0.037	5	0.009	0.012	0.014	0.037	5	0.009	0.012	0.014	0.037
10	0.007	0.009	0.014	0.03	10	0.007	0.009	0.014	0.03	10	0.007	0.009	0.014	0.03	10	0.007	0.009	0.014	0.03
15	0.005	0.007	0.014	0.025	15	0.005	0.007	0.014	0.025	15	0.005	0.007	0.014	0.025	15	0.005	0.007	0.014	0.025
20	0.004	0.006	0.014	0.021	20	0.004	0.006	0.014	0.021	20	0.004	0.006	0.014	0.021	20	0.004	0.006	0.014	0.021
25	0.004	0.005	0.014	0.02	25	0.004	0.005	0.014	0.02	25	0.004	0.005	0.014	0.02	25	0.004	0.005	0.014	0.02
30	0.003	0.004	0.014	0.018	30	0.003	0.004	0.014	0.018	30	0.003	0.004	0.014	0.018	30	0.003	0.004	0.014	0.018
35	0.003	0.004	0.014	0.017	35	0.003	0.004	0.014	0.017	35	0.003	0.004	0.014	0.017	35	0.003	0.004	0.014	0.017
40	0.003	0.004	0.014	0.017	40	0.003	0.004	0.014	0.017	40	0.003	0.004	0.014	0.017	40	0.003	0.004	0.014	0.017
45	0.003	0.003	0.014	0.016															

0	0	0	0	0	0	0	0	0	0	0	0
5	0.008	0.008	0.012	0.036		5	0.002	0.002	0.003	0.009	
10	0.008	0.008	0.012	0.036		10	0.002	0.002	0.003	0.009	
15	0.008	0.008	0.012	0.036		15	0.002	0.002	0.003	0.009	
20	0.008	0.008	0.012	0.036		20	0.002	0.002	0.003	0.009	
25	0.008	0.008	0.012	0.036		25	0.002	0.002	0.003	0.009	
30	0.008	0.008	0.012	0.036		30	0.002	0.002	0.003	0.009	
35	0.008	0.008	0.012	0.036		35	0.002	0.002	0.003	0.009	
40	0.008	0.008	0.012	0.036		40	0.002	0.002	0.003	0.009	
45	0.008	0.008	0.012	0.036		45	0.002	0.002	0.003	0.009	
50	0.008	0.008	0.012	0.036		50	0.002	0.002	0.003	0.009	
55	0.008	0.008	0.012	0.036		55	0.002	0.002	0.003	0.009	
60	0.008	0.008	0.012	0.036		60	0.002	0.002	0.003	0.009	
65	0.008	0.008	0.012	0.036		65	0.002	0.002	0.003	0.009	

Pollutant Name: PM10 - Brake Wear					Relative Humidity: 65%					Pollutant Name: PM2.5 - Brake Wear					Relative Humidity: 65%						
Speed MPH	LDA				MHD				HHD				Speed MPH	LDA				MHD			
	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL		LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0.013	0.013	0.013	0.028		5	0.005	0.005	0.005	0.012											
10	0.013	0.013	0.013	0.028		10	0.005	0.005	0.005	0.012											
15	0.013	0.013	0.013	0.028		15	0.005	0.005	0.005	0.012											
20	0.013	0.013	0.013	0.028		20	0.005	0.005	0.005	0.012											
25	0.013	0.013	0.013	0.028		25	0.005	0.005	0.005	0.012											
30	0.013	0.013	0.013	0.028		30	0.005	0.005	0.005	0.012											
35	0.013	0.013	0.013	0.028		35	0.005	0.005	0.005	0.012											
40	0.013	0.013	0.013	0.028		40	0.005	0.005	0.005	0.012											
45	0.013	0.013	0.013	0.028		45	0.005	0.005	0.005	0.012											
50	0.013	0.013	0.013	0.028		50	0.005	0.005	0.005	0.012											
55	0.013	0.013	0.013	0.028		55	0.005	0.005	0.005	0.012											
60	0.013	0.013	0.013	0.028		60	0.005	0.005	0.005	0.012											
65	0.013	0.013	0.013	0.028		65	0.005	0.005	0.005	0.012											

Pollutant Name: Gasoline - mi/gal					Relative Humidity: 65%					Pollutant Name: Gasoline - mi/gal					Relative Humidity: 65%						
Speed MPH	LDA				MHD				HHD				Speed MPH	LDA				MHD			
	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL		LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	9.212	7.381	0	0		5	9.212	7.381	0	0											
10	12.177	9.753	0	0		10	12.177	9.753	0	0											
15	15.51	12.418	0	0		15	15.51	12.418	0	0											
20	19.035	15.236	0	0		20	19.035	15.236	0	0											

Pollutant Name: Diesel - mi/gal					Relative Humidity: 65%					Pollutant Name: Diesel - mi/gal					Relative Humidity: 65%						
Speed MPH	LDA				MHD				HHD				Speed MPH	LDA				MHD			
	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL		LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	6.698	2.621		5	0	0	6.698	2.621											
10	0	0	6.698	3.184		10	0	0	6.698	3.184											
15	0	0	6.698	3.883		15	0	0	6.698	3.883											
20	0	0	6.698	4.617		20	0	0	6.698	4.617											
25	0	0	6.698	4.935		25	0	0	6.698	4.935											
30	0	0	6.698	5.238		30	0	0	6.698	5.238											
35	0	0	6.698	5.515		35	0	0	6.698	5.515											
40	0	0	6.698	5.749		40	0	0	6.698	5.749											
45	0	0	6.698	5.926		45	0	0	6.698	5.926											
50	0	0	6.698	6.033		50	0	0	6.698	6.033											
55	0	0	6.698	6.064		55	0	0	6.698	6.064											
60	0	0	6.698	6.014		60	0	0	6.698	6.014											
65	0	0	6.698	5.889		65	0	0	6.698	5.889											

Title : MRY 2012 ROG PM10
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2009/12/02 09:20:13
Scen Year: 2012 -- All model years in the range 1968 to 2012 selected
Season : Annual
Area : Monterey Bay Unified APCD

Year: to
Emfac2007 Emission Factors: V2.3 Nov 1 2006

District Average District Average

Pollutant Name: Reactive Org Gases					Relative Humidity: 65%					Pollutant Name: Methane					Relative Humidity: 65%						
Speed	LDA				MHD				HHD				Speed	LDA				MHD			
	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL		LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	LDA CAT	LDT1 CAT	MHD DSL	

MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL
0	0	0	3.173	11.719	0	0	0	0.147	0.544
5	0.38	0.692	0.686	9.806	5	0.067	0.093	0.032	0.455
10	0.247	0.462	0.539	5.442	10	0.053	0.076	0.025	0.253
15	0.169	0.323	0.432	2.6	15	0.043	0.063	0.02	0.121
20	0.121	0.236	0.355	1.392	20	0.035	0.054	0.016	0.065
25	0.092	0.182	0.297	1.129	25	0.029	0.046	0.014	0.052
30	0.074	0.147	0.255	0.919	30	0.026	0.041	0.012	0.043
35	0.062	0.124	0.223	0.762	35	0.023	0.037	0.01	0.035
40	0.055	0.11	0.2	0.658	40	0.021	0.035	0.009	0.031
45	0.051	0.103	0.183	0.608	45	0.02	0.034	0.009	0.028
50	0.05	0.101	0.172	0.612	50	0.02	0.033	0.008	0.028
55	0.051	0.104	0.164	0.668	55	0.021	0.034	0.008	0.031
60	0.056	0.112	0.161	0.778	60	0.022	0.036	0.007	0.036
65	0.064	0.128	0.161	0.941	65	0.024	0.039	0.007	0.044
Pollutant Name: Carbon Monoxide									
Relative Humidity: 65%									
Pollutant Name: Carbon Monoxide									
Relative Humidity: 65%									
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	26.3	52.004	0	0	0	26.3	52.004
5	4.292	9.299	8.732	15.997	5	4.292	9.299	8.732	15.997
10	3.781	7.92	6.021	11.448	10	3.781	7.92	6.021	11.448
15	3.372	6.885	4.345	8.089	15	3.372	6.885	4.345	8.089
20	3.037	6.09	3.281	6.044	20	3.037	6.09	3.281	6.044
25	2.76	5.469	2.594	5.159	25	2.76	5.469	2.594	5.159
30	2.528	4.98	2.145	4.417	30	2.528	4.98	2.145	4.417
35	2.334	4.597	1.857	3.818	35	2.334	4.597	1.857	3.818
40	2.172	4.303	1.683	3.363	40	2.172	4.303	1.683	3.363
45	2.038	4.088	1.595	3.05	45	2.038	4.088	1.595	3.05
50	1.931	3.951	1.583	2.881	50	1.931	3.951	1.583	2.881
55	1.85	3.897	1.644	2.855	55	1.85	3.897	1.644	2.855
60	1.798	3.942	1.787	2.972	60	1.798	3.942	1.787	2.972
65	1.781	4.12	2.032	3.232	65	1.781	4.12	2.032	3.232
Pollutant Name: Oxides of Nitrogen									
Relative Humidity: 65%									
Pollutant Name: Oxides of Nitrogen									
Relative Humidity: 65%									
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	75.051	111.512	0	0	0	75.051	111.512
5	0.449	0.964	10.893	32.739	5	0.449	0.964	10.893	32.739
10	0.386	0.818	9.038	22.683	10	0.386	0.818	9.038	22.683
15	0.34	0.712	7.769	16.438	15	0.34	0.712	7.769	16.438
Pollutant Name: Carbon Dioxide									
Relative Humidity: 65%									
Pollutant Name: Carbon Dioxide									
Relative Humidity: 65%									
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	4097.999	6466.296	0	0	0	4097.999	6466.296
5	950.171	1181.904	1505	3845.36	5	950.171	1181.904	1505	3845.36
10	718.001	893.111	1505	3165.447	10	718.001	893.111	1505	3165.447
15	563.124	700.462	1505	2595.958	15	563.124	700.462	1505	2595.958
20	458.394	570.189	1505	2183.16	20	458.394	570.189	1505	2183.16
25	387.284	481.737	1505	2042.685	25	387.284	481.737	1505	2042.685
30	339.606	422.431	1505	1924.234	30	339.606	422.431	1505	1924.234
35	309.085	384.466	1505	1827.808	35	309.085	384.466	1505	1827.808
40	291.968	363.175	1505	1753.407	40	291.968	363.175	1505	1753.407
45	286.252	356.065	1505	1701.031	45	286.252	356.065	1505	1701.031
50	291.285	362.325	1505	1670.679	50	291.285	362.325	1505	1670.679
55	307.641	382.67	1505	1662.352	55	307.641	382.67	1505	1662.352
60	337.229	419.474	1505	1676.05	60	337.229	419.474	1505	1676.05
65	383.673	477.245	1505	1711.771	65	383.673	477.245	1505	1711.771
Pollutant Name: Sulfur Dioxide									
Relative Humidity: 65%									
Pollutant Name: Sulfur Dioxide									
Relative Humidity: 65%									
Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL	Speed MPH	LDA CAT	LDT1 CAT	MHD DSL	HHD DSL
0	0	0	0.039	0.062	0	0	0	0.039	0.062
5	0.009	0.012	0.014	0.037	5	0.009	0.012	0.014	0.037
10	0.007	0.009	0.014	0.03	10	0.007	0.009	0.014	0.03
15	0.005	0.007	0.014	0.025	15	0.005	0.007	0.014	0.025
20	0.004	0.006	0.014	0.021	20	0.004	0.006	0.014	0.021
25	0.004	0.005	0.014	0.02	25	0.004	0.005	0.014	0.02
30	0.003	0.004	0.014	0.018	30	0.003	0.004	0.014	0.018
35	0.003	0.004	0.014	0.017	35	0.003	0.004	0.014	0.017
40	0.003	0.004	0.014	0.017	40	0.003	0.004	0.014	0.017
45	0.003	0.003	0.014	0.016	45	0.003	0.003	0.014	0.016

50	0.003	0.004	0.014	0.016		50	0.003	0.004	0.014	0.016
55	0.003	0.004	0.014	0.016		55	0.003	0.004	0.014	0.016
60	0.003	0.004	0.014	0.016		60	0.003	0.004	0.014	0.016
65	0.004	0.005	0.014	0.016		65	0.004	0.005	0.014	0.016

Pollutant Name: PM10					Relative Humidity: 65%					Pollutant Name: PM2.5					Relative Humidity: 65%									
Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD					
	CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL					
0	0	0	1.049	1.59	0	0	0	0.965	1.463	0	0	0	0	0	0	0	0	0	0					
5	0.06	0.076	0.779	1.995	5	0.055	0.071	0.716	1.835	5	0.036	0.047	0.562	1.249	5	0.055	0.071	0.716	1.835	5	0.055	0.071	0.716	1.835
10	0.039	0.05	0.611	1.358	10	0.025	0.032	0.451	0.821	10	0.018	0.024	0.37	0.576	10	0.025	0.032	0.451	0.821	10	0.025	0.032	0.451	0.821
15	0.027	0.035	0.491	0.893	15	0.014	0.018	0.311	0.486	15	0.011	0.015	0.266	0.42	15	0.014	0.018	0.311	0.486	15	0.014	0.018	0.311	0.486
20	0.019	0.026	0.403	0.626	20	0.009	0.013	0.233	0.379	20	0.008	0.011	0.209	0.362	20	0.009	0.013	0.233	0.379	20	0.009	0.013	0.233	0.379
25	0.015	0.02	0.338	0.528	25	0.008	0.012	0.179	0.403	25	0.008	0.011	0.171	0.46	25	0.008	0.012	0.168	0.542	25	0.008	0.012	0.168	0.542
30	0.012	0.016	0.289	0.456	30	0.007	0.011	0.13	0.359	30	0.007	0.011	0.129	0.352	30	0.007	0.011	0.13	0.359	30	0.007	0.011	0.129	0.352
35	0.01	0.014	0.254	0.412	35	0.006	0.01	0.129	0.352	35	0.006	0.01	0.129	0.352	35	0.006	0.01	0.129	0.352	35	0.006	0.01	0.129	0.352
40	0.009	0.012	0.227	0.394	40	0.005	0.009	0.129	0.352	40	0.005	0.009	0.129	0.352	40	0.005	0.009	0.129	0.352	40	0.005	0.009	0.129	0.352
45	0.008	0.011	0.208	0.403	45	0.005	0.008	0.129	0.352	45	0.005	0.008	0.129	0.352	45	0.005	0.008	0.129	0.352	45	0.005	0.008	0.129	0.352
50	0.008	0.011	0.195	0.438	50	0.005	0.008	0.129	0.352	50	0.005	0.008	0.129	0.352	50	0.005	0.008	0.129	0.352	50	0.005	0.008	0.129	0.352
55	0.009	0.011	0.186	0.5	55	0.005	0.009	0.129	0.352	55	0.005	0.009	0.129	0.352	55	0.005	0.009	0.129	0.352	55	0.005	0.009	0.129	0.352
60	0.009	0.012	0.182	0.589	60	0.005	0.009	0.129	0.352	60	0.005	0.009	0.129	0.352	60	0.005	0.009	0.129	0.352	60	0.005	0.009	0.129	0.352
65	0.011	0.014	0.182	0.705	65	0.005	0.013	0.129	0.352	65	0.005	0.013	0.129	0.352	65	0.005	0.013	0.129	0.352	65	0.005	0.013	0.129	0.352

Pollutant Name: PM10 - Tire Wear					Relative Humidity: 65%					Pollutant Name: PM2.5 - Tire Wear					Relative Humidity: 65%									
Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD					
	CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
5	0.008	0.008	0.012	0.036	5	0.002	0.002	0.003	0.009	5	0.002	0.002	0.003	0.009	5	0.002	0.002	0.003	0.009	5	0.002	0.002	0.003	0.009
10	0.008	0.008	0.012	0.036	10	0.002	0.002	0.003	0.009	10	0.002	0.002	0.003	0.009	10	0.002	0.002	0.003	0.009	10	0.002	0.002	0.003	0.009
15	0.008	0.008	0.012	0.036	15	0.002	0.002	0.003	0.009	15	0.002	0.002	0.003	0.009	15	0.002	0.002	0.003	0.009	15	0.002	0.002	0.003	0.009
20	0.008	0.008	0.012	0.036	20	0.002	0.002	0.003	0.009	20	0.002	0.002	0.003	0.009	20	0.002	0.002	0.003	0.009	20	0.002	0.002	0.003	0.009
25	0.008	0.008	0.012	0.036	25	0.002	0.002	0.003	0.009	25	0.002	0.002	0.003	0.009	25	0.002	0.002	0.003	0.009	25	0.002	0.002	0.003	0.009
30	0.008	0.008	0.012	0.036	30	0.002	0.002	0.003	0.009	30	0.002	0.002	0.003	0.009	30	0.002	0.002	0.003	0.009	30	0.002	0.002	0.003	0.009
35	0.008	0.008	0.012	0.036	35	0.002	0.002	0.003	0.009	35	0.002	0.002	0.003	0.009	35	0.002	0.002	0.003	0.009	35	0.002	0.002	0.003	0.009
40	0.008	0.008	0.012	0.036	40	0.002	0.002	0.003	0.009	40	0.002	0.002	0.003	0.009	40	0.002	0.002	0.003	0.009	40	0.002	0.002	0.003	0.009
45	0.008	0.008	0.012	0.036	45	0.002	0.002	0.003	0.009	45	0.002	0.002	0.003	0.009	45	0.002	0.002	0.003	0.009	45	0.002	0.002	0.003	0.009
50	0.008	0.008	0.012	0.036	50	0.002	0.002	0.003	0.009	50	0.002	0.002	0.003	0.009	50	0.002	0.002	0.003	0.009	50	0.002	0.002	0.003	0.009
55	0.008	0.008	0.012	0.036	55	0.002	0.002	0.003	0.009	55	0.002	0.002	0.003	0.009	55	0.002	0.002	0.003	0.009	55	0.002	0.002	0.003	0.009
60	0.008	0.008	0.012	0.036	60	0.002	0.002	0.003	0.009	60	0.002	0.002	0.003	0.009	60	0.002	0.002	0.003	0.009	60	0.002	0.002	0.003	0.009
65	0.008	0.008	0.012	0.036	65	0.002	0.002	0.003	0.009	65	0.002	0.002	0.003	0.009	65	0.002	0.002	0.003	0.009	65	0.002	0.002	0.003	0.009

Pollutant Name: PM10 - Brake Wear					Relative Humidity: 65%					Pollutant Name: PM2.5 - Brake Wear					Relative Humidity: 65%									
Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD	Speed MPH	LDA	LDT1	MHD	HHD					
	CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL		CAT	CAT	DSL	DSL					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
5	0.013	0.013	0.013	0.028	5	0.005	0.005	0.005	0.005	5	0.005	0.005	0.005	0.012	5	0.005	0.005	0.005	0.012	5	0.005	0.005	0.005	0.012
10	0.013	0.013	0.013	0.028	10	0.005	0.005	0.005	0.005	10	0.005	0.005	0.005	0.012	10	0.005	0.005	0.005	0.012	10	0.005	0.005	0.005	0.012
15	0.013	0.013	0.013	0.028	15	0.005	0.005	0.005	0.005	15	0.005	0.005	0.005	0.012	15	0.005	0.005	0.005	0.012	15	0.005	0.005	0.005	0.012
20	0.013	0.013	0.013	0.028	20	0.005	0.005	0.005	0.005	20	0.005	0.005	0.005	0.012	20	0.005	0.005							

40	0.013	0.013	0.013	0.028	40	0.005	0.005	0.005	0.012
45	0.013	0.013	0.013	0.028	45	0.005	0.005	0.005	0.012
50	0.013	0.013	0.013	0.028	50	0.005	0.005	0.005	0.012
55	0.013	0.013	0.013	0.028	55	0.005	0.005	0.005	0.012
60	0.013	0.013	0.013	0.028	60	0.005	0.005	0.005	0.012
65	0.013	0.013	0.013	0.028	65	0.005	0.005	0.005	0.012

Pollutant Name: Gasoline - mi/gal					Relative Humidity: 65%					Pollutant Name: Gasoline - mi/gal					Relative Humidity: 65%				
Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD
MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	9.247	7.391	0	0	5	9.247	7.391	0	0	5	9.247	7.391	0	0	5	9.247	7.391	0	0
10	12.225	9.768	0	0	10	12.225	9.768	0	0	10	12.225	9.768	0	0	10	12.225	9.768	0	0
15	15.572	12.438	0	0	15	15.572	12.438	0	0	15	15.572	12.438	0	0	15	15.572	12.438	0	0
20	19.113	15.262	0	0	20	19.113	15.262	0	0	20	19.113	15.262	0	0	20	19.113	15.262	0	0
25	22.607	18.047	0	0	25	22.607	18.047	0	0	25	22.607	18.047	0	0	25	22.607	18.047	0	0
30	25.769	20.569	0	0	30	25.769	20.569	0	0	30	25.769	20.569	0	0	30	25.769	20.569	0	0
35	28.311	22.596	0	0	35	28.311	22.596	0	0	35	28.311	22.596	0	0	35	28.311	22.596	0	0
40	29.977	23.926	0	0	40	29.977	23.926	0	0	40	29.977	23.926	0	0	40	29.977	23.926	0	0
45	30.592	24.419	0	0	45	30.592	24.419	0	0	45	30.592	24.419	0	0	45	30.592	24.419	0	0
50	30.087	24.019	0	0	50	30.087	24.019	0	0	50	30.087	24.019	0	0	50	30.087	24.019	0	0
55	28.515	22.768	0	0	55	28.515	22.768	0	0	55	28.515	22.768	0	0	55	28.515	22.768	0	0
60	26.041	20.796	0	0	60	26.041	20.796	0	0	60	26.041	20.796	0	0	60	26.041	20.796	0	0
65	22.913	18.3	0	0	65	22.913	18.3	0	0	65	22.913	18.3	0	0	65	22.913	18.3	0	0

Pollutant Name: Diesel - mi/gal					Relative Humidity: 65%					Pollutant Name: Diesel - mi/gal					Relative Humidity: 65%				
Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD	Speed	LDA	LDT1	MHD	HHD
MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL	MPH	CAT	CAT	DSL	DSL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	6.698	2.621	5	0	0	6.698	2.621	5	0	0	6.698	2.621	5	0	0	6.698	2.621
10	0	0	6.698	3.184	10	0	0	6.698	3.184	10	0	0	6.698	3.184	10	0	0	6.698	3.184
15	0	0	6.698	3.883	15	0	0	6.698	3.883	15	0	0	6.698	3.883	15	0	0	6.698	3.883
20	0	0	6.698	4.617	20	0	0	6.698	4.617	20	0	0	6.698	4.617	20	0	0	6.698	4.617
25	0	0	6.698	4.935	25	0	0	6.698	4.935	25	0	0	6.698	4.935	25	0	0	6.698	4.935
30	0	0	6.698	5.238	30	0	0	6.698	5.238	30	0	0	6.698	5.238	30	0	0	6.698	5.238
35	0	0	6.698	5.515	35	0	0	6.698	5.515	35	0	0	6.698	5.515	35	0	0	6.698	5.515
40	0	0	6.698	5.749	40	0	0	6.698	5.749	40	0	0	6.698	5.749	40	0	0	6.698	5.749
45	0	0	6.698	5.926	45	0	0	6.698	5.926	45	0	0	6.698	5.926	45	0	0	6.698	5.926
50	0	0	6.698	6.033	50	0	0	6.698	6.033	50	0	0	6.698	6.033	50	0	0	6.698	6.033
55	0	0	6.698	6.064	55	0	0	6.698	6.064	55	0	0	6.698	6.064	55	0	0	6.698	6.064
60	0	0	6.698	6.014	60	0	0	6.698	6.014	60	0	0	6.698	6.014	60	0	0	6.698	6.014
65	0	0	6.698	5.889	65	0	0	6.698	5.889	65	0	0	6.698	5.889	65	0	0	6.698	5.889