

APPENDIX C

Air Quality Worksheets

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

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Project Name: Santa Monica College Construction

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2011 TOTALS (lbs/day unmitigated)	6.92	66.47	32.18	0.04	10.15	3.06	13.21	2.14	2.82	4.96
2011 TOTALS (lbs/day mitigated)	6.92	66.47	32.18	0.04	5.33	3.06	8.39	1.13	2.82	3.95
2012 TOTALS (lbs/day unmitigated)	11.71	85.44	61.30	0.07	44.04	4.29	47.58	9.20	3.94	12.45
2012 TOTALS (lbs/day mitigated)	11.71	85.44	61.30	0.07	44.04	4.29	47.58	9.20	3.94	12.45
2013 TOTALS (lbs/day unmitigated)	81.11	60.40	67.44	0.05	0.21	4.19	4.39	0.07	3.84	3.92
2013 TOTALS (lbs/day mitigated)	39.68	60.40	67.44	0.05	0.21	4.19	4.39	0.07	3.84	3.92
2014 TOTALS (lbs/day unmitigated)	81.51	62.95	58.44	0.09	44.80	3.78	48.06	9.36	3.47	12.36
2014 TOTALS (lbs/day mitigated)	39.10	62.95	58.44	0.09	44.80	3.78	48.06	9.36	3.47	12.36
2015 TOTALS (lbs/day unmitigated)	77.84	52.66	61.90	0.08	37.58	3.50	40.36	7.86	3.21	10.41
2015 TOTALS (lbs/day mitigated)	37.36	52.66	61.90	0.08	37.58	3.50	40.36	7.86	3.21	10.41
2016 TOTALS (lbs/day unmitigated)	144.85	73.00	65.66	0.10	46.83	4.17	51.01	9.79	3.83	13.63
2016 TOTALS (lbs/day mitigated)	64.77	73.00	65.66	0.10	46.83	4.17	51.01	9.79	3.83	13.63

Construction Unmitigated Detail Report:

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CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
Time Slice 7/1/2011-8/11/2011 Active Days: 30	<u>6.92</u>	<u>66.47</u>	<u>32.18</u>	<u>0.04</u>	<u>10.15</u>	<u>3.06</u>	<u>13.21</u>	<u>2.14</u>	<u>2.82</u>	<u>4.96</u>
Fine Grading 07/01/2011-10/21/2011	4.94	49.99	23.13	0.04	10.14	2.24	12.38	2.13	2.06	4.19
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08
Fine Grading On Road Diesel	2.08	26.50	10.19	0.04	0.13	1.06	1.20	0.04	0.98	1.02
Fine Grading Worker Trips	0.03	0.06	0.98	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Trenching 07/01/2011-08/11/2011	1.98	16.48	9.05	0.00	0.01	0.82	0.83	0.00	0.76	0.76
Trenching Off Road Diesel	1.95	16.42	8.07	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Trenching Worker Trips	0.03	0.06	0.98	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 8/12/2011-10/21/2011 Active Days: 51	4.94	49.99	23.13	0.04	10.14	2.24	12.38	2.13	2.06	4.19
Fine Grading 07/01/2011-10/21/2011	4.94	49.99	23.13	0.04	10.14	2.24	12.38	2.13	2.06	4.19
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08
Fine Grading On Road Diesel	2.08	26.50	10.19	0.04	0.13	1.06	1.20	0.04	0.98	1.02
Fine Grading Worker Trips	0.03	0.06	0.98	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 10/24/2011-12/30/2011 Active Days: 50	3.77	17.52	20.64	0.01	0.06	1.22	1.28	0.02	1.12	1.14
Building 10/22/2011-06/28/2014	3.77	17.52	20.64	0.01	0.06	1.22	1.28	0.02	1.12	1.14
Building Off Road Diesel	3.39	15.67	10.85	0.00	0.00	1.14	1.14	0.00	1.05	1.05
Building Vendor Trips	0.12	1.34	1.14	0.00	0.01	0.06	0.07	0.00	0.05	0.05
Building Worker Trips	0.27	0.50	8.65	0.01	0.05	0.03	0.08	0.02	0.03	0.04

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Time Slice 1/2/2012-6/29/2012	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Active Days: 130										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Time Slice 7/2/2012-7/13/2012	8.42	66.23	44.36	<u>0.07</u>	<u>44.04</u>	3.54	<u>47.58</u>	<u>9.20</u>	3.25	<u>12.45</u>
Active Days: 10										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Demolition 07/01/2012-07/15/2012	1.85	17.30	9.45	0.02	12.77	0.91	13.68	2.66	0.84	3.50
Fugitive Dust	0.00	0.00	0.00	0.00	12.70	0.00	12.70	2.64	0.00	2.64
Demo Off Road Diesel	0.98	6.77	4.49	0.00	0.00	0.49	0.49	0.00	0.45	0.45
Demo On Road Diesel	0.84	10.49	4.05	0.02	0.06	0.41	0.47	0.02	0.38	0.40
Demo Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Demolition 07/01/2012-07/29/2012	3.07	32.46	15.30	0.04	31.21	1.51	32.72	6.51	1.39	7.90
Fugitive Dust	0.00	0.00	0.00	0.00	31.06	0.00	31.06	6.46	0.00	6.46
Demo Off Road Diesel	0.98	6.77	4.49	0.00	0.00	0.49	0.49	0.00	0.45	0.45
Demo On Road Diesel	2.07	25.64	9.90	0.04	0.14	1.01	1.16	0.05	0.93	0.98
Demo Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 7/16/2012-7/27/2012 Active Days: 10	8.40	64.22	43.84	0.06	31.28	3.36	34.64	6.53	3.09	9.62
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Demolition 07/01/2012-07/29/2012	3.07	32.46	15.30	0.04	31.21	1.51	32.72	6.51	1.39	7.90
Fugitive Dust	0.00	0.00	0.00	0.00	31.06	0.00	31.06	6.46	0.00	6.46
Demo Off Road Diesel	0.98	6.77	4.49	0.00	0.00	0.49	0.49	0.00	0.45	0.45
Demo On Road Diesel	2.07	25.64	9.90	0.04	0.14	1.01	1.16	0.05	0.93	0.98
Demo Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Trenching 07/16/2012-08/17/2012	1.83	15.29	8.92	0.00	0.01	0.74	0.74	0.00	0.68	0.68
Trenching Off Road Diesel	1.80	15.24	8.01	0.00	0.00	0.73	0.73	0.00	0.67	0.67
Trenching Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 7/30/2012-8/17/2012 Active Days: 15	8.04	53.76	40.96	0.02	6.47	2.93	9.40	1.36	2.69	4.05
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Fine Grading 07/30/2012- 10/30/2012	2.72	22.00	12.42	0.00	6.41	1.08	7.48	1.34	0.99	2.33
Fine Grading Dust	0.00	0.00	0.00	0.00	6.40	0.00	6.40	1.34	0.00	1.34
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Trenching 07/16/2012-08/17/2012	1.83	15.29	8.92	0.00	0.01	0.74	0.74	0.00	0.68	0.68
Trenching Off Road Diesel	1.80	15.24	8.01	0.00	0.00	0.73	0.73	0.00	0.67	0.67
Trenching Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 8/20/2012-10/30/2012 Active Days: 52	10.94	<u>85.44</u>	54.10	0.06	16.61	4.25	20.87	3.50	3.91	7.41
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Fine Grading 07/30/2012- 10/30/2012	2.72	22.00	12.42	0.00	6.41	1.08	7.48	1.34	0.99	2.33
Fine Grading Dust	0.00	0.00	0.00	0.00	6.40	0.00	6.40	1.34	0.00	1.34
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Fine Grading 08/18/2012- 11/10/2012	4.73	46.97	22.06	0.04	10.15	2.06	12.21	2.14	1.90	4.03
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	2.01	24.97	9.64	0.04	0.14	0.98	1.13	0.05	0.91	0.95
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 10/31/2012-11/9/2012	<u>11.71</u>	79.92	<u>61.30</u>	0.07	10.27	<u>4.29</u>	14.56	2.18	<u>3.94</u>	6.13
Active Days: 8										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Fine Grading 08/18/2012-11/10/2012	4.73	46.97	22.06	0.04	10.15	2.06	12.21	2.14	1.90	4.03
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	2.01	24.97	9.64	0.04	0.14	0.98	1.13	0.05	0.91	0.95
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 11/12/2012-12/31/2012	10.47	49.42	58.86	0.04	0.19	3.35	3.54	0.07	3.07	3.14
Active Days: 36										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04

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Time Slice 1/1/2013-4/30/2013	9.59	46.16	55.97	0.04	0.19	3.01	3.20	0.07	2.76	2.83
Active Days: 86										
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04

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Time Slice 5/1/2013-5/31/2013	78.66	46.20	56.65	0.04	0.19	3.02	3.21	0.07	2.77	2.83
Active Days: 23										
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Coating 05/01/2013-06/28/2013	69.07	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	69.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 6/3/2013-6/28/2013	<u>81.11</u>	<u>60.40</u>	<u>67.44</u>	<u>0.05</u>	<u>0.21</u>	<u>4.19</u>	<u>4.39</u>	<u>0.07</u>	<u>3.84</u>	<u>3.92</u>
Active Days: 20										
Asphalt 06/01/2013-06/28/2013	2.45	14.20	10.80	0.00	0.01	1.17	1.19	0.01	1.08	1.08
Paving Off-Gas	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.19	13.60	8.91	0.00	0.00	1.15	1.15	0.00	1.05	1.05
Paving On Road Diesel	0.04	0.50	0.20	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Paving Worker Trips	0.05	0.09	1.69	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Coating 05/01/2013-06/28/2013	69.07	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	69.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 7/1/2013-12/31/2013	6.40	30.77	37.31	0.03	0.12	2.01	2.13	0.04	1.84	1.89
Active Days: 132										
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Time Slice 1/1/2014-2/28/2014	5.85	28.58	35.51	0.03	0.12	1.79	1.91	0.04	1.64	1.69
Active Days: 43										
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 3/3/2014-4/4/2014 Active Days: 25	9.06	62.06	51.34	0.09	43.45	3.22	46.68	9.08	2.96	12.04
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Demolition 03/01/2014-04/04/2014	3.20	33.48	15.83	0.06	43.33	1.43	44.76	9.04	1.32	10.36
Fugitive Dust	0.00	0.00	0.00	0.00	43.12	0.00	43.12	8.97	0.00	8.97
Demo Off Road Diesel	0.84	5.95	4.33	0.00	0.00	0.39	0.39	0.00	0.36	0.36
Demo On Road Diesel	2.34	27.49	10.71	0.06	0.20	1.04	1.24	0.07	0.96	1.02
Demo Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 4/7/2014-4/30/2014 Active Days: 18	8.29	47.71	47.03	0.03	10.13	2.68	12.81	2.13	2.46	4.59
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 04/05/2014-06/30/2014	2.44	19.12	11.52	0.00	10.01	0.89	10.90	2.09	0.82	2.91
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 5/1/2014-5/30/2014	79.00	47.74	47.68	0.03	10.13	2.68	12.82	2.14	2.46	4.60
Active Days: 22										
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 05/01/2014-06/28/2014	70.71	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	70.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 04/05/2014-06/30/2014	2.44	19.12	11.52	0.00	10.01	0.89	10.90	2.09	0.82	2.91
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 6/2/2014-6/27/2014	<u>81.51</u>	61.60	<u>58.44</u>	0.04	10.15	<u>3.78</u>	13.94	2.14	<u>3.47</u>	5.62
Active Days: 20										
Asphalt 06/01/2014-06/28/2014	2.52	13.86	10.77	0.00	0.02	1.10	1.12	0.01	1.01	1.02
Paving Off-Gas	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.06	12.89	8.85	0.00	0.00	1.06	1.06	0.00	0.98	0.98
Paving On Road Diesel	0.08	0.88	0.34	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Paving Worker Trips	0.05	0.09	1.57	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 05/01/2014-06/28/2014	70.71	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	70.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 04/05/2014-06/30/2014	2.44	19.12	11.52	0.00	10.01	0.89	10.90	2.09	0.82	2.91
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 6/30/2014-6/30/2014 Active Days: 1	5.36	33.41	29.28	0.02	10.07	1.79	11.85	2.11	1.64	3.75
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 04/05/2014- 06/30/2014	2.44	19.12	11.52	0.00	10.01	0.89	10.90	2.09	0.82	2.91
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 7/1/2014-7/31/2014 Active Days: 23	9.13	62.91	51.67	0.09	44.79	3.26	48.05	9.36	2.99	12.35
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Demolition 07/01/2014-08/15/2014	3.28	34.33	16.16	0.06	44.67	1.47	46.14	9.32	1.35	10.67
Fugitive Dust	0.00	0.00	0.00	0.00	44.46	0.00	44.46	9.25	0.00	9.25
Demo Off Road Diesel	0.84	5.95	4.33	0.00	0.00	0.39	0.39	0.00	0.36	0.36
Demo On Road Diesel	2.41	28.34	11.05	0.06	0.21	1.07	1.28	0.07	0.99	1.05
Demo Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 8/1/2014-8/15/2014	78.19	<u>62.95</u>	52.30	<u>0.09</u>	<u>44.80</u>	3.26	<u>48.06</u>	<u>9.36</u>	2.99	<u>12.36</u>
Active Days: 11										
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2014-09/30/2014	69.07	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	69.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Demolition 07/01/2014-08/15/2014	3.28	34.33	16.16	0.06	44.67	1.47	46.14	9.32	1.35	10.67
Fugitive Dust	0.00	0.00	0.00	0.00	44.46	0.00	44.46	9.25	0.00	9.25
Demo Off Road Diesel	0.84	5.95	4.33	0.00	0.00	0.39	0.39	0.00	0.36	0.36
Demo On Road Diesel	2.41	28.34	11.05	0.06	0.21	1.07	1.28	0.07	0.99	1.05
Demo Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 8/18/2014-8/29/2014	77.35	47.74	47.66	0.03	5.33	2.68	8.02	1.13	2.46	3.60
Active Days: 10										
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2014-09/30/2014	69.07	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	69.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 08/16/2014-11/10/2014	2.44	19.12	11.52	0.00	5.21	0.89	6.10	1.09	0.82	1.91
Fine Grading Dust	0.00	0.00	0.00	0.00	5.20	0.00	5.20	1.09	0.00	1.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 9/1/2014-9/30/2014	79.05	57.67	55.90	0.03	5.35	3.47	8.82	1.14	3.19	4.32
Active Days: 22										
Asphalt 09/01/2014-09/30/2014	1.69	9.93	8.24	0.00	0.01	0.79	0.80	0.00	0.72	0.73
Paving Off-Gas	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.51	9.54	6.74	0.00	0.00	0.77	0.77	0.00	0.71	0.71
Paving On Road Diesel	0.03	0.31	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Paving Worker Trips	0.04	0.08	1.38	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2014-09/30/2014	69.07	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	69.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 08/16/2014-11/10/2014	2.44	19.12	11.52	0.00	5.21	0.89	6.10	1.09	0.82	1.91
Fine Grading Dust	0.00	0.00	0.00	0.00	5.20	0.00	5.20	1.09	0.00	1.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 10/1/2014-11/10/2014 Active Days: 29	5.36	33.41	29.28	0.02	5.27	1.79	7.05	1.11	1.64	2.75
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 08/16/2014-11/10/2014	2.44	19.12	11.52	0.00	5.21	0.89	6.10	1.09	0.82	1.91
Fine Grading Dust	0.00	0.00	0.00	0.00	5.20	0.00	5.20	1.09	0.00	1.09
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01
Time Slice 11/11/2014-12/31/2014 Active Days: 37	5.85	28.58	35.51	0.03	0.12	1.79	1.91	0.04	1.64	1.69
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 1/1/2015-6/30/2015	5.33	26.41	33.87	0.03	0.12	1.66	1.78	0.04	1.52	1.56
Active Days: 129										
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Time Slice 7/1/2015-7/31/2015	7.96	<u>52.66</u>	46.99	<u>0.08</u>	<u>37.58</u>	2.78	<u>40.36</u>	<u>7.86</u>	2.56	<u>10.41</u>
Active Days: 23										
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Demolition 07/01/2015-07/31/2015	2.62	26.25	13.12	0.05	37.46	1.13	38.58	7.81	1.04	8.85
Fugitive Dust	0.00	0.00	0.00	0.00	37.28	0.00	37.28	7.75	0.00	7.75
Demo Off Road Diesel	0.79	5.49	4.25	0.00	0.00	0.35	0.35	0.00	0.33	0.33
Demo On Road Diesel	1.82	20.73	8.13	0.05	0.17	0.77	0.94	0.06	0.71	0.76
Demo Worker Trips	0.02	0.04	0.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 8/3/2015-10/9/2015 Active Days: 50	7.61	43.95	45.00	0.03	6.93	2.47	9.40	1.47	2.27	3.73
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 08/01/2015-10/11/2015	2.28	17.54	11.13	0.00	6.81	0.81	7.62	1.42	0.75	2.17
Fine Grading Dust	0.00	0.00	0.00	0.00	6.80	0.00	6.80	1.42	0.00	1.42
Fine Grading Off Road Diesel	2.26	17.50	10.40	0.00	0.00	0.81	0.81	0.00	0.74	0.74
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 10/12/2015-10/30/2015 Active Days: 15	8.00	39.62	50.81	0.04	0.19	2.49	2.67	0.07	2.28	2.35
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 11/2/2015-11/30/2015	75.50	39.65	51.39	0.04	0.19	2.49	2.68	0.07	2.28	2.35
Active Days: 21										
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 11/01/2015-12/30/2015	67.49	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	67.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 12/1/2015-12/30/2015	<u>77.84</u>	52.51	<u>61.90</u>	0.05	0.21	<u>3.50</u>	3.71	0.07	<u>3.21</u>	3.29
Active Days: 22										
Asphalt 12/01/2015-12/30/2015	2.35	12.86	10.52	0.00	0.02	1.01	1.03	0.01	0.93	0.94
Paving Off-Gas	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.93	12.07	8.78	0.00	0.00	0.98	0.98	0.00	0.90	0.90
Paving On Road Diesel	0.06	0.71	0.28	0.00	0.01	0.03	0.03	0.00	0.02	0.03
Paving Worker Trips	0.04	0.08	1.46	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 11/01/2015-12/30/2015	67.49	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	67.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 12/31/2015-12/31/2015	5.33	26.41	33.87	0.03	0.12	1.66	1.78	0.04	1.52	1.56
Active Days: 1										
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Time Slice 1/1/2016-7/29/2016	4.86	24.48	32.46	0.03	0.12	1.47	1.60	0.04	1.35	1.39
Active Days: 151										
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 8/1/2016-8/31/2016	138.35	24.54	33.52	0.03	0.13	1.48	1.61	0.05	1.35	1.40
Active Days: 23										
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2016-09/29/2016	67.49	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	67.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Coating 08/01/2016-09/30/2016	65.99	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	65.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Time Slice 9/1/2016-9/29/2016	144.85	73.00	65.66	0.10	46.83	4.17	51.01	9.79	3.83	13.63
Active Days: 21										
Asphalt 09/01/2016-09/29/2016	2.24	12.05	10.36	0.00	0.02	0.92	0.93	0.01	0.84	0.85
Paving Off-Gas	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.80	11.29	8.72	0.00	0.00	0.88	0.88	0.00	0.81	0.81
Paving On Road Diesel	0.06	0.68	0.27	0.00	0.01	0.02	0.03	0.00	0.02	0.02
Paving Worker Trips	0.04	0.07	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01

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Asphalt 09/01/2016-09/30/2016	1.46	8.57	7.91	0.00	0.01	0.64	0.66	0.00	0.59	0.60
Paving Off-Gas	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.32	8.33	6.64	0.00	0.00	0.63	0.63	0.00	0.58	0.58
Paving On Road Diesel	0.02	0.18	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Paving Worker Trips	0.03	0.06	1.20	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2016-09/29/2016	67.49	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	67.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Coating 08/01/2016-09/30/2016	65.99	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	65.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Demolition 09/01/2016-09/30/2016	2.80	27.85	13.86	0.06	46.67	1.14	47.81	9.73	1.04	10.78
Fugitive Dust	0.00	0.00	0.00	0.00	46.45	0.00	46.45	9.66	0.00	9.66
Demo Off Road Diesel	0.73	5.07	4.19	0.00	0.00	0.31	0.31	0.00	0.28	0.28
Demo On Road Diesel	2.05	22.74	8.99	0.06	0.22	0.83	1.04	0.07	0.76	0.83
Demo Worker Trips	0.02	0.04	0.68	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 9/30/2016-9/30/2016	75.11	60.92	54.76	0.09	46.81	3.26	50.07	9.78	2.99	12.77
Active Days: 1										
Asphalt 09/01/2016-09/30/2016	1.46	8.57	7.91	0.00	0.01	0.64	0.66	0.00	0.59	0.60
Paving Off-Gas	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.32	8.33	6.64	0.00	0.00	0.63	0.63	0.00	0.58	0.58
Paving On Road Diesel	0.02	0.18	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Paving Worker Trips	0.03	0.06	1.20	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2016-09/30/2016	65.99	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	65.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Demolition 09/01/2016-09/30/2016	2.80	27.85	13.86	0.06	46.67	1.14	47.81	9.73	1.04	10.78
Fugitive Dust	0.00	0.00	0.00	0.00	46.45	0.00	46.45	9.66	0.00	9.66
Demo Off Road Diesel	0.73	5.07	4.19	0.00	0.00	0.31	0.31	0.00	0.28	0.28
Demo On Road Diesel	2.05	22.74	8.99	0.06	0.22	0.83	1.04	0.07	0.76	0.83
Demo Worker Trips	0.02	0.04	0.68	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Phase Assumptions

Phase: Demolition 7/1/2012 - 7/15/2012 - 08.1 Demolition PAC

Building Volume Total (cubic feet): 60492

Building Volume Daily (cubic feet): 30246

On Road Truck Travel (VMT): 420.08

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 7/1/2012 - 7/29/2012 - 05.1 Demolition Health PE / Central Plant

Building Volume Total (cubic feet): 295788

Building Volume Daily (cubic feet): 73947

On Road Truck Travel (VMT): 1027.04

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 3/1/2014 - 4/4/2014 - 06.1 Demolition Drescher

Building Volume Total (cubic feet): 410700

Building Volume Daily (cubic feet): 102675

On Road Truck Travel (VMT): 1426.04

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 7/1/2014 - 8/15/2014 - 09.1 Demolition Math Extension

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Building Volume Total (cubic feet): 1058508

Building Volume Daily (cubic feet): 105850.8

On Road Truck Travel (VMT): 1470.15

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 7/1/2015 - 7/31/2015 - 10.1 Demolition Corsair

Building Volume Total (cubic feet): 355008

Building Volume Daily (cubic feet): 88752

On Road Truck Travel (VMT): 1232.67

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 9/1/2016 - 9/30/2016 - 12.1 Demolition Math Building

Building Volume Total (cubic feet): 442368

Building Volume Daily (cubic feet): 110592

On Road Truck Travel (VMT): 1536

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Fine Grading 7/1/2011 - 10/21/2011 - 07.2 Site Grading AET / Olympic

Total Acres Disturbed: 4.65

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Default

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20 lbs per acre-day

On Road Truck Travel (VMT): 945.46

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 8/18/2012 - 11/10/2012 - 08.3 Site Grading PAC

Total Acres Disturbed: 1.99

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 1000.31

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 7/30/2012 - 10/30/2012 - 05.2 Site Grading Health PE / Central Plant

Total Acres Disturbed: 1.27

Maximum Daily Acreage Disturbed: 0.32

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 4/5/2014 - 6/30/2014 - 06.2 Site Grading Drescher

Total Acres Disturbed: 3.89

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 8/16/2014 - 11/10/2014 - 09.2 Site Grading Math Extension

Total Acres Disturbed: 1.06

Maximum Daily Acreage Disturbed: 0.26

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 8/1/2015 - 10/11/2015 - 10.2 Site Grading Corsair

Total Acres Disturbed: 1.34

Maximum Daily Acreage Disturbed: 0.34

Fugitive Dust Level of Detail: Default

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20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 7/1/2011 - 8/11/2011 - 07.1 Trenching AET / Olympic

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Trenching 7/16/2012 - 8/17/2012 - 08.2 Trenching PAC

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 6/1/2013 - 6/28/2013 - 08.5 Paving PAC

Acres to be Paved: 1.34

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 6/1/2014 - 6/28/2014 - 07.4 Paving AET / Olympic

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Acres to be Paved: 2.68

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 9/1/2014 - 9/30/2014 - 05.4 Paving Health PE / Central Plant

Acres to be Paved: 0.99

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 12/1/2015 - 12/30/2015 - 06.4 Paving Drescher

Acres to be Paved: 2.6

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 9/1/2016 - 9/29/2016 - 09.4 Paving Math Extension

Acres to be Paved: 2.7

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

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- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 9/1/2016 - 9/30/2016 - 10.4 Paving Corsair

Acres to be Paved: 0.75

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 10/22/2011 - 6/28/2014 - 07.3 Building Construction AET Olympic

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 11/11/2012 - 6/28/2013 - 08.4 Building Construction PAC

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 10/31/2012 - 9/30/2014 - 05.3 Building Construction Health PE / Central Plant

Off-Road Equipment:

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- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 7/1/2014 - 12/30/2015 - 06.3 Building Construction Drescher

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 11/11/2014 - 9/30/2016 - 09.3 Building Construction Math Extension

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 10/12/2015 - 9/30/2016 - 10.3 Building Construction Corsair

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

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Phase: Architectural Coating 5/1/2013 - 6/28/2013 - 08.6 Coating PAC

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 5/1/2014 - 6/28/2014 - 07.5 Coating AET / Olympic

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 8/1/2014 - 9/30/2014 - 05.5 Coating Health PE / Central Plan

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 11/1/2015 - 12/30/2015 - 06.5 Coating Drescher

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 8/1/2016 - 9/30/2016 - 10.5 Coating Corsair

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 8/1/2016 - 9/29/2016 - 09.5 Coating Math Extension

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

ROG

NOx

CO

SO2

PM10 Dust

PM10 Exhaust

PM10

PM2.5 Dust

PM2.5 Exhaust

PM2.5

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Time Slice 7/1/2011-8/11/2011	<u>6.92</u>	<u>66.47</u>	<u>32.18</u>	<u>0.04</u>	<u>5.33</u>	<u>3.06</u>	<u>8.39</u>	<u>1.13</u>	<u>2.82</u>	<u>3.95</u>
Active Days: 30										
Fine Grading 07/01/2011-10/21/2011	4.94	49.99	23.13	0.04	5.32	2.24	7.56	1.13	2.06	3.19
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08
Fine Grading On Road Diesel	2.08	26.50	10.19	0.04	0.13	1.06	1.20	0.04	0.98	1.02
Fine Grading Worker Trips	0.03	0.06	0.98	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Trenching 07/01/2011-08/11/2011	1.98	16.48	9.05	0.00	0.01	0.82	0.83	0.00	0.76	0.76
Trenching Off Road Diesel	1.95	16.42	8.07	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Trenching Worker Trips	0.03	0.06	0.98	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 8/12/2011-10/21/2011	4.94	49.99	23.13	0.04	5.32	2.24	7.56	1.13	2.06	3.19
Active Days: 51										
Fine Grading 07/01/2011-10/21/2011	4.94	49.99	23.13	0.04	5.32	2.24	7.56	1.13	2.06	3.19
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08
Fine Grading On Road Diesel	2.08	26.50	10.19	0.04	0.13	1.06	1.20	0.04	0.98	1.02
Fine Grading Worker Trips	0.03	0.06	0.98	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 10/24/2011-12/30/2011	3.77	17.52	20.64	0.01	0.06	1.22	1.28	0.02	1.12	1.14
Active Days: 50										
Building 10/22/2011-06/28/2014	3.77	17.52	20.64	0.01	0.06	1.22	1.28	0.02	1.12	1.14
Building Off Road Diesel	3.39	15.67	10.85	0.00	0.00	1.14	1.14	0.00	1.05	1.05
Building Vendor Trips	0.12	1.34	1.14	0.00	0.01	0.06	0.07	0.00	0.05	0.05
Building Worker Trips	0.27	0.50	8.65	0.01	0.05	0.03	0.08	0.02	0.03	0.04

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Time Slice 1/2/2012-6/29/2012	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Active Days: 130										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Time Slice 7/2/2012-7/13/2012	8.42	66.23	44.36	<u>0.07</u>	<u>44.04</u>	3.54	<u>47.58</u>	<u>9.20</u>	3.25	<u>12.45</u>
Active Days: 10										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Demolition 07/01/2012-07/15/2012	1.85	17.30	9.45	0.02	12.77	0.91	13.68	2.66	0.84	3.50
Fugitive Dust	0.00	0.00	0.00	0.00	12.70	0.00	12.70	2.64	0.00	2.64
Demo Off Road Diesel	0.98	6.77	4.49	0.00	0.00	0.49	0.49	0.00	0.45	0.45
Demo On Road Diesel	0.84	10.49	4.05	0.02	0.06	0.41	0.47	0.02	0.38	0.40
Demo Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Demolition 07/01/2012-07/29/2012	3.07	32.46	15.30	0.04	31.21	1.51	32.72	6.51	1.39	7.90
Fugitive Dust	0.00	0.00	0.00	0.00	31.06	0.00	31.06	6.46	0.00	6.46
Demo Off Road Diesel	0.98	6.77	4.49	0.00	0.00	0.49	0.49	0.00	0.45	0.45
Demo On Road Diesel	2.07	25.64	9.90	0.04	0.14	1.01	1.16	0.05	0.93	0.98
Demo Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 7/16/2012-7/27/2012 Active Days: 10	8.40	64.22	43.84	0.06	31.28	3.36	34.64	6.53	3.09	9.62
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Demolition 07/01/2012-07/29/2012	3.07	32.46	15.30	0.04	31.21	1.51	32.72	6.51	1.39	7.90
Fugitive Dust	0.00	0.00	0.00	0.00	31.06	0.00	31.06	6.46	0.00	6.46
Demo Off Road Diesel	0.98	6.77	4.49	0.00	0.00	0.49	0.49	0.00	0.45	0.45
Demo On Road Diesel	2.07	25.64	9.90	0.04	0.14	1.01	1.16	0.05	0.93	0.98
Demo Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Trenching 07/16/2012-08/17/2012	1.83	15.29	8.92	0.00	0.01	0.74	0.74	0.00	0.68	0.68
Trenching Off Road Diesel	1.80	15.24	8.01	0.00	0.00	0.73	0.73	0.00	0.67	0.67
Trenching Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 7/30/2012-8/17/2012 Active Days: 15	8.04	53.76	40.96	0.02	3.39	2.93	6.32	0.72	2.69	3.41
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Fine Grading 07/30/2012- 10/30/2012	2.72	22.00	12.42	0.00	3.32	1.08	4.40	0.69	0.99	1.68
Fine Grading Dust	0.00	0.00	0.00	0.00	3.32	0.00	3.32	0.69	0.00	0.69
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Trenching 07/16/2012-08/17/2012	1.83	15.29	8.92	0.00	0.01	0.74	0.74	0.00	0.68	0.68
Trenching Off Road Diesel	1.80	15.24	8.01	0.00	0.00	0.73	0.73	0.00	0.67	0.67
Trenching Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 8/20/2012-10/30/2012 Active Days: 52	10.94	<u>85.44</u>	54.10	0.06	8.71	4.25	12.96	1.85	3.91	5.76
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Fine Grading 07/30/2012- 10/30/2012	2.72	22.00	12.42	0.00	3.32	1.08	4.40	0.69	0.99	1.68
Fine Grading Dust	0.00	0.00	0.00	0.00	3.32	0.00	3.32	0.69	0.00	0.69
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Fine Grading 08/18/2012- 11/10/2012	4.73	46.97	22.06	0.04	5.33	2.06	7.39	1.13	1.90	3.03
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	2.01	24.97	9.64	0.04	0.14	0.98	1.13	0.05	0.91	0.95
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 10/31/2012-11/9/2012	<u>11.71</u>	79.92	<u>61.30</u>	0.07	5.45	<u>4.29</u>	9.75	1.17	<u>3.94</u>	5.12
Active Days: 8										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Fine Grading 08/18/2012-11/10/2012	4.73	46.97	22.06	0.04	5.33	2.06	7.39	1.13	1.90	3.03
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99
Fine Grading On Road Diesel	2.01	24.97	9.64	0.04	0.14	0.98	1.13	0.05	0.91	0.95
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00

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Time Slice 11/12/2012-12/31/2012	10.47	49.42	58.86	0.04	0.19	3.35	3.54	0.07	3.07	3.14
Active Days: 36										
Building 10/22/2011-06/28/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.49	16.47	19.62	0.01	0.06	1.12	1.18	0.02	1.02	1.05
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95
Building Vendor Trips	0.11	1.20	1.05	0.00	0.01	0.05	0.06	0.00	0.05	0.05
Building Worker Trips	0.24	0.46	8.05	0.01	0.05	0.03	0.08	0.02	0.03	0.04

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Time Slice 1/1/2013-4/30/2013	9.59	46.16	55.97	0.04	0.19	3.01	3.20	0.07	2.76	2.83
Active Days: 86										
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04

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Time Slice 5/1/2013-5/31/2013	37.23	46.20	56.65	0.04	0.19	3.02	3.21	0.07	2.77	2.83
Active Days: 23										
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Coating 05/01/2013-06/28/2013	27.64	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	27.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 6/3/2013-6/28/2013	<u>39.68</u>	<u>60.40</u>	<u>67.44</u>	<u>0.05</u>	<u>0.21</u>	<u>4.19</u>	<u>4.39</u>	<u>0.07</u>	<u>3.84</u>	<u>3.92</u>
Active Days: 20										
Asphalt 06/01/2013-06/28/2013	2.45	14.20	10.80	0.00	0.01	1.17	1.19	0.01	1.08	1.08
Paving Off-Gas	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.19	13.60	8.91	0.00	0.00	1.15	1.15	0.00	1.05	1.05
Paving On Road Diesel	0.04	0.50	0.20	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Paving Worker Trips	0.05	0.09	1.69	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 11/11/2012-06/28/2013	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Coating 05/01/2013-06/28/2013	27.64	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	27.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 7/1/2013-12/31/2013	6.40	30.77	37.31	0.03	0.12	2.01	2.13	0.04	1.84	1.89
Active Days: 132										
Building 10/22/2011-06/28/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Building 10/31/2012-09/30/2014	3.20	15.39	18.66	0.01	0.06	1.00	1.07	0.02	0.92	0.94
Building Off Road Diesel	2.88	13.91	10.20	0.00	0.00	0.93	0.93	0.00	0.86	0.86
Building Vendor Trips	0.10	1.06	0.97	0.00	0.01	0.04	0.05	0.00	0.04	0.04
Building Worker Trips	0.22	0.42	7.48	0.01	0.05	0.03	0.08	0.02	0.03	0.04
Time Slice 1/1/2014-2/28/2014	5.85	28.58	35.51	0.03	0.12	1.79	1.91	0.04	1.64	1.69
Active Days: 43										
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 3/3/2014-4/4/2014 Active Days: 25	9.06	62.06	51.34	0.09	43.45	3.22	46.68	9.08	2.96	12.04
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Demolition 03/01/2014-04/04/2014	3.20	33.48	15.83	0.06	43.33	1.43	44.76	9.04	1.32	10.36
Fugitive Dust	0.00	0.00	0.00	0.00	43.12	0.00	43.12	8.97	0.00	8.97
Demo Off Road Diesel	0.84	5.95	4.33	0.00	0.00	0.39	0.39	0.00	0.36	0.36
Demo On Road Diesel	2.34	27.49	10.71	0.06	0.20	1.04	1.24	0.07	0.96	1.02
Demo Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 4/7/2014-4/30/2014 Active Days: 18	8.29	47.71	47.03	0.03	5.31	2.68	7.99	1.13	2.46	3.59
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 04/05/2014-06/30/2014	2.44	19.12	11.52	0.00	5.19	0.89	6.08	1.08	0.82	1.90
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 5/1/2014-5/30/2014	36.58	47.74	47.68	0.03	5.32	2.68	8.00	1.13	2.46	3.59
Active Days: 22										
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 05/01/2014-06/28/2014	28.30	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	28.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 04/05/2014-06/30/2014	2.44	19.12	11.52	0.00	5.19	0.89	6.08	1.08	0.82	1.90
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 6/2/2014-6/27/2014	<u>39.10</u>	61.60	<u>58.44</u>	0.04	5.33	<u>3.78</u>	9.12	1.14	<u>3.47</u>	4.61
Active Days: 20										
Asphalt 06/01/2014-06/28/2014	2.52	13.86	10.77	0.00	0.02	1.10	1.12	0.01	1.01	1.02
Paving Off-Gas	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.06	12.89	8.85	0.00	0.00	1.06	1.06	0.00	0.98	0.98
Paving On Road Diesel	0.08	0.88	0.34	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Paving Worker Trips	0.05	0.09	1.57	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/22/2011-06/28/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 05/01/2014-06/28/2014	28.30	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	28.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 04/05/2014-06/30/2014	2.44	19.12	11.52	0.00	5.19	0.89	6.08	1.08	0.82	1.90
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 6/30/2014-6/30/2014 Active Days: 1	5.36	33.41	29.28	0.02	5.25	1.79	7.03	1.11	1.64	2.75
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 04/05/2014- 06/30/2014	2.44	19.12	11.52	0.00	5.19	0.89	6.08	1.08	0.82	1.90
Fine Grading Dust	0.00	0.00	0.00	0.00	5.18	0.00	5.18	1.08	0.00	1.08
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 7/1/2014-7/31/2014 Active Days: 23	9.13	62.91	51.67	0.09	44.79	3.26	48.05	9.36	2.99	12.35
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Demolition 07/01/2014- 08/15/2014	3.28	34.33	16.16	0.06	44.67	1.47	46.14	9.32	1.35	10.67
Fugitive Dust	0.00	0.00	0.00	0.00	44.46	0.00	44.46	9.25	0.00	9.25
Demo Off Road Diesel	0.84	5.95	4.33	0.00	0.00	0.39	0.39	0.00	0.36	0.36
Demo On Road Diesel	2.41	28.34	11.05	0.06	0.21	1.07	1.28	0.07	0.99	1.05
Demo Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 8/1/2014-8/15/2014	36.77	<u>62.95</u>	52.30	<u>0.09</u>	<u>44.80</u>	3.26	<u>48.06</u>	<u>9.36</u>	2.99	<u>12.36</u>
Active Days: 11										
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2014-09/30/2014	27.64	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	27.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Demolition 07/01/2014-08/15/2014	3.28	34.33	16.16	0.06	44.67	1.47	46.14	9.32	1.35	10.67
Fugitive Dust	0.00	0.00	0.00	0.00	44.46	0.00	44.46	9.25	0.00	9.25
Demo Off Road Diesel	0.84	5.95	4.33	0.00	0.00	0.39	0.39	0.00	0.36	0.36
Demo On Road Diesel	2.41	28.34	11.05	0.06	0.21	1.07	1.28	0.07	0.99	1.05
Demo Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 8/18/2014-8/29/2014 Active Days: 10	35.93	47.74	47.66	0.03	2.83	2.68	5.51	0.61	2.46	3.07
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2014-09/30/2014	27.64	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	27.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 08/16/2014-11/10/2014	2.44	19.12	11.52	0.00	2.70	0.89	3.59	0.56	0.82	1.38
Fine Grading Dust	0.00	0.00	0.00	0.00	2.69	0.00	2.69	0.56	0.00	0.56
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 9/1/2014-9/30/2014	37.62	57.67	55.90	0.03	2.84	3.47	6.31	0.62	3.19	3.80
Active Days: 22										
Asphalt 09/01/2014-09/30/2014	1.69	9.93	8.24	0.00	0.01	0.79	0.80	0.00	0.72	0.73
Paving Off-Gas	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.51	9.54	6.74	0.00	0.00	0.77	0.77	0.00	0.71	0.71
Paving On Road Diesel	0.03	0.31	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Paving Worker Trips	0.04	0.08	1.38	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/31/2012-09/30/2014	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2014-09/30/2014	27.64	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	27.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Fine Grading 08/16/2014-11/10/2014	2.44	19.12	11.52	0.00	2.70	0.89	3.59	0.56	0.82	1.38
Fine Grading Dust	0.00	0.00	0.00	0.00	2.69	0.00	2.69	0.56	0.00	0.56
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 10/1/2014-11/10/2014 Active Days: 29	5.36	33.41	29.28	0.02	2.76	1.79	4.55	0.59	1.64	2.23
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 08/16/2014-11/10/2014	2.44	19.12	11.52	0.00	2.70	0.89	3.59	0.56	0.82	1.38
Fine Grading Dust	0.00	0.00	0.00	0.00	2.69	0.00	2.69	0.56	0.00	0.56
Fine Grading Off Road Diesel	2.41	19.08	10.74	0.00	0.00	0.89	0.89	0.00	0.82	0.82
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.79	0.00	0.01	0.00	0.01	0.00	0.00	0.01
Time Slice 11/11/2014-12/31/2014 Active Days: 37	5.85	28.58	35.51	0.03	0.12	1.79	1.91	0.04	1.64	1.69
Building 07/01/2014-12/30/2015	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.93	14.29	17.75	0.01	0.06	0.90	0.96	0.02	0.82	0.84
Building Off Road Diesel	2.63	12.97	9.89	0.00	0.00	0.82	0.82	0.00	0.76	0.76
Building Vendor Trips	0.09	0.93	0.89	0.00	0.01	0.04	0.05	0.00	0.03	0.04
Building Worker Trips	0.20	0.39	6.97	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 1/1/2015-6/30/2015	5.33	26.41	33.87	0.03	0.12	1.66	1.78	0.04	1.52	1.56
Active Days: 129										
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Time Slice 7/1/2015-7/31/2015	7.96	<u>52.66</u>	46.99	<u>0.08</u>	<u>37.58</u>	2.78	<u>40.36</u>	<u>7.86</u>	2.56	<u>10.41</u>
Active Days: 23										
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Demolition 07/01/2015-07/31/2015	2.62	26.25	13.12	0.05	37.46	1.13	38.58	7.81	1.04	8.85
Fugitive Dust	0.00	0.00	0.00	0.00	37.28	0.00	37.28	7.75	0.00	7.75
Demo Off Road Diesel	0.79	5.49	4.25	0.00	0.00	0.35	0.35	0.00	0.33	0.33
Demo On Road Diesel	1.82	20.73	8.13	0.05	0.17	0.77	0.94	0.06	0.71	0.76
Demo Worker Trips	0.02	0.04	0.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 8/3/2015-10/9/2015 Active Days: 50	7.61	43.95	45.00	0.03	3.65	2.47	6.12	0.78	2.27	3.05
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Fine Grading 08/01/2015-10/11/2015	2.28	17.54	11.13	0.00	3.53	0.81	4.34	0.74	0.75	1.49
Fine Grading Dust	0.00	0.00	0.00	0.00	3.52	0.00	3.52	0.74	0.00	0.74
Fine Grading Off Road Diesel	2.26	17.50	10.40	0.00	0.00	0.81	0.81	0.00	0.74	0.74
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.02	0.04	0.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 10/12/2015-10/30/2015 Active Days: 15	8.00	39.62	50.81	0.04	0.19	2.49	2.67	0.07	2.28	2.35
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 11/2/2015-11/30/2015	35.01	39.65	51.39	0.04	0.19	2.49	2.68	0.07	2.28	2.35
Active Days: 21										
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 11/01/2015-12/30/2015	27.01	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 12/1/2015-12/30/2015	<u>37.36</u>	52.51	<u>61.90</u>	0.05	0.21	<u>3.50</u>	3.71	0.07	<u>3.21</u>	3.29
Active Days: 22										
Asphalt 12/01/2015-12/30/2015	2.35	12.86	10.52	0.00	0.02	1.01	1.03	0.01	0.93	0.94
Paving Off-Gas	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.93	12.07	8.78	0.00	0.00	0.98	0.98	0.00	0.90	0.90
Paving On Road Diesel	0.06	0.71	0.28	0.00	0.01	0.03	0.03	0.00	0.02	0.03
Paving Worker Trips	0.04	0.08	1.46	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 07/01/2014-12/30/2015	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 11/01/2015-12/30/2015	27.01	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Time Slice 12/31/2015-12/31/2015	5.33	26.41	33.87	0.03	0.12	1.66	1.78	0.04	1.52	1.56
Active Days: 1										
Building 10/12/2015-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.67	13.21	16.94	0.01	0.06	0.83	0.89	0.02	0.76	0.78
Building Off Road Diesel	2.40	12.04	9.62	0.00	0.00	0.76	0.76	0.00	0.70	0.70
Building Vendor Trips	0.08	0.82	0.83	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.18	0.35	6.49	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Time Slice 1/1/2016-7/29/2016	4.86	24.48	32.46	0.03	0.12	1.47	1.60	0.04	1.35	1.39
Active Days: 151										
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05

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Time Slice 8/1/2016-8/31/2016	58.27	24.54	33.52	0.03	0.13	1.48	1.61	0.05	1.35	1.40
Active Days: 23										
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2016-09/29/2016	27.01	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Coating 08/01/2016-09/30/2016	26.41	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Time Slice 9/1/2016-9/29/2016	<u>64.77</u>	<u>73.00</u>	<u>65.66</u>	<u>0.10</u>	<u>46.83</u>	<u>4.17</u>	<u>51.01</u>	<u>9.79</u>	<u>3.83</u>	<u>13.63</u>
Active Days: 21										
Asphalt 09/01/2016-09/29/2016	2.24	12.05	10.36	0.00	0.02	0.92	0.93	0.01	0.84	0.85
Paving Off-Gas	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.80	11.29	8.72	0.00	0.00	0.88	0.88	0.00	0.81	0.81
Paving On Road Diesel	0.06	0.68	0.27	0.00	0.01	0.02	0.03	0.00	0.02	0.02
Paving Worker Trips	0.04	0.07	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01

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Asphalt 09/01/2016-09/30/2016	1.46	8.57	7.91	0.00	0.01	0.64	0.66	0.00	0.59	0.60
Paving Off-Gas	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.32	8.33	6.64	0.00	0.00	0.63	0.63	0.00	0.58	0.58
Paving On Road Diesel	0.02	0.18	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Paving Worker Trips	0.03	0.06	1.20	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2016-09/29/2016	27.01	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Coating 08/01/2016-09/30/2016	26.41	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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Demolition 09/01/2016-09/30/2016	2.80	27.85	13.86	0.06	46.67	1.14	47.81	9.73	1.04	10.78
Fugitive Dust	0.00	0.00	0.00	0.00	46.45	0.00	46.45	9.66	0.00	9.66
Demo Off Road Diesel	0.73	5.07	4.19	0.00	0.00	0.31	0.31	0.00	0.28	0.28
Demo On Road Diesel	2.05	22.74	8.99	0.06	0.22	0.83	1.04	0.07	0.76	0.83
Demo Worker Trips	0.02	0.04	0.68	0.00	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 9/30/2016-9/30/2016	35.53	60.92	54.76	0.09	46.81	3.26	50.07	9.78	2.99	12.77
Active Days: 1										
Asphalt 09/01/2016-09/30/2016	1.46	8.57	7.91	0.00	0.01	0.64	0.66	0.00	0.59	0.60
Paving Off-Gas	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.32	8.33	6.64	0.00	0.00	0.63	0.63	0.00	0.58	0.58
Paving On Road Diesel	0.02	0.18	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Paving Worker Trips	0.03	0.06	1.20	0.00	0.01	0.01	0.02	0.00	0.01	0.01
Building 10/12/2015-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Building 11/11/2014-09/30/2016	2.43	12.24	16.23	0.01	0.06	0.74	0.80	0.02	0.67	0.70
Building Off Road Diesel	2.19	11.19	9.40	0.00	0.00	0.67	0.67	0.00	0.62	0.62
Building Vendor Trips	0.08	0.72	0.77	0.00	0.01	0.03	0.04	0.00	0.03	0.03
Building Worker Trips	0.17	0.33	6.06	0.01	0.05	0.03	0.08	0.02	0.03	0.05
Coating 08/01/2016-09/30/2016	26.41	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Architectural Coating	26.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Demolition 09/01/2016-09/30/2016	2.80	27.85	13.86	0.06	46.67	1.14	47.81	9.73	1.04	10.78
Fugitive Dust	0.00	0.00	0.00	0.00	46.45	0.00	46.45	9.66	0.00	9.66
Demo Off Road Diesel	0.73	5.07	4.19	0.00	0.00	0.31	0.31	0.00	0.28	0.28
Demo On Road Diesel	2.05	22.74	8.99	0.06	0.22	0.83	1.04	0.07	0.76	0.83
Demo Worker Trips	0.02	0.04	0.68	0.00	0.01	0.00	0.01	0.00	0.00	0.01

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 7/1/2011 - 10/21/2011 - 07.2 Site Grading AET / Olympic

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 8/18/2012 - 11/10/2012 - 08.3 Site Grading PAC

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 7/30/2012 - 10/30/2012 - 05.2 Site Grading Health PE / Central Plant

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 4/5/2014 - 6/30/2014 - 06.2 Site Grading Drescher

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 8/16/2014 - 11/10/2014 - 09.2 Site Grading Math Extension

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 8/1/2015 - 10/11/2015 - 10.2 Site Grading Corsair

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Architectural Coating 5/1/2013 - 6/28/2013 - 08.6 Coating PAC

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 5/1/2014 - 6/28/2014 - 07.5 Coating AET / Olympic

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

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The following mitigation measures apply to Phase: Architectural Coating 8/1/2014 - 9/30/2014 - 05.5 Coating Health PE / Central Plan

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 11/1/2015 - 12/30/2015 - 06.5 Coating Drescher

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 8/1/2016 - 9/30/2016 - 10.5 Coating Corsair

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 8/1/2016 - 9/29/2016 - 09.5 Coating Math Extension

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: \\.\host\Shared Folders\Bryan On My Mac\Desktop\Current Projects\SMC\Regional\SMC construction with coating.urb924

Project Name: Santa Monica College Construction

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>CO2</u>
2011 TOTALS (tons/year unmitigated)	361.14
2011 TOTALS (tons/year mitigated)	361.14
Percent Reduction	0.00
2012 TOTALS (tons/year unmitigated)	878.47
2012 TOTALS (tons/year mitigated)	878.47
Percent Reduction	0.00
2013 TOTALS (tons/year unmitigated)	997.45
2013 TOTALS (tons/year mitigated)	997.45
Percent Reduction	0.00
2014 TOTALS (tons/year unmitigated)	1,125.81

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2014 TOTALS (tons/year mitigated)	1,125.81
Percent Reduction	0.00

2015 TOTALS (tons/year unmitigated)	1,021.95
2015 TOTALS (tons/year mitigated)	1,021.95
Percent Reduction	0.00

2016 TOTALS (tons/year unmitigated)	706.26
2016 TOTALS (tons/year mitigated)	706.26
Percent Reduction	0.00

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

CO2

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2011	361.14
Fine Grading 07/01/2011-10/21/2011	258.35
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	91.02
Fine Grading On Road Diesel	162.29
Fine Grading Worker Trips	5.04
Trenching 07/01/2011-08/11/2011	27.59
Trenching Off Road Diesel	25.72
Trenching Worker Trips	1.87
Building 10/22/2011-06/28/2014	75.21
Building Off Road Diesel	40.53
Building Vendor Trips	7.10
Building Worker Trips	27.58
2012	878.47
Building 10/22/2011-06/28/2014	392.57
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.94
Demolition 07/01/2012-07/15/2012	13.03
Fugitive Dust	0.00
Demo Off Road Diesel	3.50
Demo On Road Diesel	8.90
Demo Worker Trips	0.62

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Demolition 07/01/2012-07/29/2012	51.78
Fugitive Dust	0.00
Demo Off Road Diesel	7.00
Demo On Road Diesel	43.53
Demo Worker Trips	1.24
Trenching 07/16/2012-08/17/2012	22.99
Trenching Off Road Diesel	21.43
Trenching Worker Trips	1.55
Fine Grading 07/30/2012-10/30/2012	79.45
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	75.29
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	4.17
Fine Grading 08/18/2012-11/10/2012	198.34
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	67.42
Fine Grading On Road Diesel	127.19
Fine Grading Worker Trips	3.73
Building 10/31/2012-09/30/2014	66.18
Building Off Road Diesel	35.67
Building Vendor Trips	6.25
Building Worker Trips	24.27

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Building 11/11/2012-06/28/2013	54.15
Building Off Road Diesel	29.18
Building Vendor Trips	5.11
Building Worker Trips	19.85
2013	997.45
Building 10/22/2011-06/28/2014	392.55
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.92
Building 10/31/2012-09/30/2014	392.55
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.92
Building 11/11/2012-06/28/2013	194.02
Building Off Road Diesel	104.57
Building Vendor Trips	18.32
Building Worker Trips	71.14
Coating 05/01/2013-06/28/2013	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15

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Asphalt 06/01/2013-06/28/2013	16.18
Paving Off-Gas	0.00
Paving Off Road Diesel	12.72
Paving On Road Diesel	0.97
Paving Worker Trips	2.49
2014	1,125.81
Building 10/22/2011-06/28/2014	192.51
Building Off Road Diesel	103.76
Building Vendor Trips	18.18
Building Worker Trips	70.58
Building 10/31/2012-09/30/2014	293.27
Building Off Road Diesel	158.07
Building Vendor Trips	27.69
Building Worker Trips	107.52
Demolition 03/01/2014-04/04/2014	85.86
Fugitive Dust	0.00
Demo Off Road Diesel	8.75
Demo On Road Diesel	75.55
Demo Worker Trips	1.55

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Fine Grading 04/05/2014-06/30/2014	72.33
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	68.54
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	3.79
Coating 05/01/2014-06/28/2014	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Asphalt 06/01/2014-06/28/2014	17.15
Paving Off-Gas	0.00
Paving Off Road Diesel	12.72
Paving On Road Diesel	1.94
Paving Worker Trips	2.49
Building 07/01/2014-12/30/2015	198.52
Building Off Road Diesel	107.00
Building Vendor Trips	18.74
Building Worker Trips	72.78
Demolition 07/01/2014-08/15/2014	119.95
Fugitive Dust	0.00
Demo Off Road Diesel	11.91
Demo On Road Diesel	105.93
Demo Worker Trips	2.11

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Coating 08/01/2014-09/30/2014	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Fine Grading 08/16/2014-11/10/2014	72.33
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	68.54
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	3.79
Asphalt 09/01/2014-09/30/2014	13.92
Paving Off-Gas	0.00
Paving Off Road Diesel	10.77
Paving On Road Diesel	0.75
Paving Worker Trips	2.39
Building 11/11/2014-09/30/2016	55.65
Building Off Road Diesel	29.99
Building Vendor Trips	5.25
Building Worker Trips	20.40
2015	1,021.95
Building 07/01/2014-12/30/2015	391.02
Building Off Road Diesel	210.76
Building Vendor Trips	36.92
Building Worker Trips	143.35

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Building 11/11/2014-09/30/2016	392.53
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.90
Demolition 07/01/2015-07/31/2015	69.57
Fugitive Dust	0.00
Demo Off Road Diesel	8.05
Demo On Road Diesel	60.08
Demo Worker Trips	1.43
Fine Grading 08/01/2015-10/11/2015	59.29
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	56.18
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	3.11
Building 10/12/2015-09/30/2016	88.73
Building Off Road Diesel	47.83
Building Vendor Trips	8.38
Building Worker Trips	32.53
Coating 11/01/2015-12/30/2015	2.10
Architectural Coating	0.00
Coating Worker Trips	2.10

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Asphalt 12/01/2015-12/30/2015	18.71
Paving Off-Gas	0.00
Paving Off Road Diesel	13.99
Paving On Road Diesel	1.98
Paving Worker Trips	2.73
2016	706.26
Building 10/12/2015-09/30/2016	294.76
Building Off Road Diesel	158.88
Building Vendor Trips	27.83
Building Worker Trips	108.05
Building 11/11/2014-09/30/2016	294.76
Building Off Road Diesel	158.88
Building Vendor Trips	27.83
Building Worker Trips	108.05
Coating 08/01/2016-09/29/2016	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Coating 08/01/2016-09/30/2016	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15

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Asphalt 09/01/2016-09/29/2016	18.02
Paving Off-Gas	0.00
Paving Off Road Diesel	13.36
Paving On Road Diesel	2.05
Paving Worker Trips	2.61
Asphalt 09/01/2016-09/30/2016	13.73
Paving Off-Gas	0.00
Paving Off Road Diesel	10.77
Paving On Road Diesel	0.57
Paving Worker Trips	2.39
Demolition 09/01/2016-09/30/2016	80.68
Fugitive Dust	0.00
Demo Off Road Diesel	7.70
Demo On Road Diesel	71.61
Demo Worker Trips	1.37

Phase Assumptions

Phase: Demolition 7/1/2012 - 7/15/2012 - 08.1 Demolition PAC

Building Volume Total (cubic feet): 60492

Building Volume Daily (cubic feet): 30246

On Road Truck Travel (VMT): 420.08

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

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Phase: Demolition 7/1/2012 - 7/29/2012 - 05.1 Demolition Health PE / Central Plant

Building Volume Total (cubic feet): 295788

Building Volume Daily (cubic feet): 73947

On Road Truck Travel (VMT): 1027.04

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 3/1/2014 - 4/4/2014 - 06.1 Demolition Drescher

Building Volume Total (cubic feet): 410700

Building Volume Daily (cubic feet): 102675

On Road Truck Travel (VMT): 1426.04

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 7/1/2014 - 8/15/2014 - 09.1 Demolition Math Extension

Building Volume Total (cubic feet): 1058508

Building Volume Daily (cubic feet): 105850.8

On Road Truck Travel (VMT): 1470.15

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 7/1/2015 - 7/31/2015 - 10.1 Demolition Corsair

Building Volume Total (cubic feet): 355008

Building Volume Daily (cubic feet): 88752

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On Road Truck Travel (VMT): 1232.67

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Demolition 9/1/2016 - 9/30/2016 - 12.1 Demolition Math Building

Building Volume Total (cubic feet): 442368

Building Volume Daily (cubic feet): 110592

On Road Truck Travel (VMT): 1536

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Fine Grading 7/1/2011 - 10/21/2011 - 07.2 Site Grading AET / Olympic

Total Acres Disturbed: 4.65

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 945.46

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 8/18/2012 - 11/10/2012 - 08.3 Site Grading PAC

Total Acres Disturbed: 1.99

Maximum Daily Acreage Disturbed: 0.5

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Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 1000.31

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 7/30/2012 - 10/30/2012 - 05.2 Site Grading Health PE / Central Plant

Total Acres Disturbed: 1.27

Maximum Daily Acreage Disturbed: 0.32

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 4/5/2014 - 6/30/2014 - 06.2 Site Grading Drescher

Total Acres Disturbed: 3.89

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

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1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 8/16/2014 - 11/10/2014 - 09.2 Site Grading Math Extension

Total Acres Disturbed: 1.06

Maximum Daily Acreage Disturbed: 0.26

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 8/1/2015 - 10/11/2015 - 10.2 Site Grading Corsair

Total Acres Disturbed: 1.34

Maximum Daily Acreage Disturbed: 0.34

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 7/1/2011 - 8/11/2011 - 07.1 Trenching AET / Olympic

Off-Road Equipment:

2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

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1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Trenching 7/16/2012 - 8/17/2012 - 08.2 Trenching PAC

Off-Road Equipment:

2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 6/1/2013 - 6/28/2013 - 08.5 Paving PAC

Acres to be Paved: 1.34

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 6/1/2014 - 6/28/2014 - 07.4 Paving AET / Olympic

Acres to be Paved: 2.68

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 9/1/2014 - 9/30/2014 - 05.4 Paving Health PE / Central Plant

Acres to be Paved: 0.99

Off-Road Equipment:

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- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 12/1/2015 - 12/30/2015 - 06.4 Paving Drescher

Acres to be Paved: 2.6

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 9/1/2016 - 9/29/2016 - 09.4 Paving Math Extension

Acres to be Paved: 2.7

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Paving 9/1/2016 - 9/30/2016 - 10.4 Paving Corsair

Acres to be Paved: 0.75

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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Phase: Building Construction 10/22/2011 - 6/28/2014 - 07.3 Building Construction AET Olympic

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 11/11/2012 - 6/28/2013 - 08.4 Building Construction PAC

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 10/31/2012 - 9/30/2014 - 05.3 Building Construction Health PE / Central Plant

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 7/1/2014 - 12/30/2015 - 06.3 Building Construction Drescher

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

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1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 11/11/2014 - 9/30/2016 - 09.3 Building Construction Math Extension

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 10/12/2015 - 9/30/2016 - 10.3 Building Construction Corsair

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 5/1/2013 - 6/28/2013 - 08.6 Coating PAC

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 5/1/2014 - 6/28/2014 - 07.5 Coating AET / Olympic

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

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Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 8/1/2014 - 9/30/2014 - 05.5 Coating Health PE / Central Plan

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 11/1/2015 - 12/30/2015 - 06.5 Coating Drescher

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 8/1/2016 - 9/30/2016 - 10.5 Coating Corsair

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Phase: Architectural Coating 8/1/2016 - 9/29/2016 - 09.5 Coating Math Extension

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- Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100
- Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50
- Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250
- Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100
- Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250
- Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Mitigated

	<u>CO2</u>
2011	361.14
Fine Grading 07/01/2011-10/21/2011	258.35
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	91.02
Fine Grading On Road Diesel	162.29
Fine Grading Worker Trips	5.04
Trenching 07/01/2011-08/11/2011	27.59
Trenching Off Road Diesel	25.72
Trenching Worker Trips	1.87
Building 10/22/2011-06/28/2014	75.21
Building Off Road Diesel	40.53
Building Vendor Trips	7.10
Building Worker Trips	27.58
2012	878.47

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Building 10/22/2011-06/28/2014	392.57
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.94
Demolition 07/01/2012-07/15/2012	13.03
Fugitive Dust	0.00
Demo Off Road Diesel	3.50
Demo On Road Diesel	8.90
Demo Worker Trips	0.62
Demolition 07/01/2012-07/29/2012	51.78
Fugitive Dust	0.00
Demo Off Road Diesel	7.00
Demo On Road Diesel	43.53
Demo Worker Trips	1.24
Trenching 07/16/2012-08/17/2012	22.99
Trenching Off Road Diesel	21.43
Trenching Worker Trips	1.55
Fine Grading 07/30/2012-10/30/2012	79.45
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	75.29
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	4.17

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Fine Grading 08/18/2012-11/10/2012	198.34
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	67.42
Fine Grading On Road Diesel	127.19
Fine Grading Worker Trips	3.73
Building 10/31/2012-09/30/2014	66.18
Building Off Road Diesel	35.67
Building Vendor Trips	6.25
Building Worker Trips	24.27
Building 11/11/2012-06/28/2013	54.15
Building Off Road Diesel	29.18
Building Vendor Trips	5.11
Building Worker Trips	19.85

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2013	997.45
Building 10/22/2011-06/28/2014	392.55
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.92
Building 10/31/2012-09/30/2014	392.55
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.92
Building 11/11/2012-06/28/2013	194.02
Building Off Road Diesel	104.57
Building Vendor Trips	18.32
Building Worker Trips	71.14
Coating 05/01/2013-06/28/2013	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Asphalt 06/01/2013-06/28/2013	16.18
Paving Off-Gas	0.00
Paving Off Road Diesel	12.72
Paving On Road Diesel	0.97
Paving Worker Trips	2.49
2014	1,125.81

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Building 10/22/2011-06/28/2014	192.51
Building Off Road Diesel	103.76
Building Vendor Trips	18.18
Building Worker Trips	70.58
Building 10/31/2012-09/30/2014	293.27
Building Off Road Diesel	158.07
Building Vendor Trips	27.69
Building Worker Trips	107.52
Demolition 03/01/2014-04/04/2014	85.86
Fugitive Dust	0.00
Demo Off Road Diesel	8.75
Demo On Road Diesel	75.55
Demo Worker Trips	1.55
Fine Grading 04/05/2014-06/30/2014	72.33
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	68.54
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	3.79
Coating 05/01/2014-06/28/2014	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15

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Asphalt 06/01/2014-06/28/2014	17.15
Paving Off-Gas	0.00
Paving Off Road Diesel	12.72
Paving On Road Diesel	1.94
Paving Worker Trips	2.49
Building 07/01/2014-12/30/2015	198.52
Building Off Road Diesel	107.00
Building Vendor Trips	18.74
Building Worker Trips	72.78
Demolition 07/01/2014-08/15/2014	119.95
Fugitive Dust	0.00
Demo Off Road Diesel	11.91
Demo On Road Diesel	105.93
Demo Worker Trips	2.11
Coating 08/01/2014-09/30/2014	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Fine Grading 08/16/2014-11/10/2014	72.33
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	68.54
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	3.79

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Asphalt 09/01/2014-09/30/2014	13.92
Paving Off-Gas	0.00
Paving Off Road Diesel	10.77
Paving On Road Diesel	0.75
Paving Worker Trips	2.39
Building 11/11/2014-09/30/2016	55.65
Building Off Road Diesel	29.99
Building Vendor Trips	5.25
Building Worker Trips	20.40
2015	1,021.95
Building 07/01/2014-12/30/2015	391.02
Building Off Road Diesel	210.76
Building Vendor Trips	36.92
Building Worker Trips	143.35
Building 11/11/2014-09/30/2016	392.53
Building Off Road Diesel	211.57
Building Vendor Trips	37.06
Building Worker Trips	143.90
Demolition 07/01/2015-07/31/2015	69.57
Fugitive Dust	0.00
Demo Off Road Diesel	8.05
Demo On Road Diesel	60.08
Demo Worker Trips	1.43

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Fine Grading 08/01/2015-10/11/2015	59.29
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	56.18
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	3.11
Building 10/12/2015-09/30/2016	88.73
Building Off Road Diesel	47.83
Building Vendor Trips	8.38
Building Worker Trips	32.53
Coating 11/01/2015-12/30/2015	2.10
Architectural Coating	0.00
Coating Worker Trips	2.10
Asphalt 12/01/2015-12/30/2015	18.71
Paving Off-Gas	0.00
Paving Off Road Diesel	13.99
Paving On Road Diesel	1.98
Paving Worker Trips	2.73
2016	706.26
Building 10/12/2015-09/30/2016	294.76
Building Off Road Diesel	158.88
Building Vendor Trips	27.83
Building Worker Trips	108.05

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Building 11/11/2014-09/30/2016	294.76
Building Off Road Diesel	158.88
Building Vendor Trips	27.83
Building Worker Trips	108.05
Coating 08/01/2016-09/29/2016	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Coating 08/01/2016-09/30/2016	2.15
Architectural Coating	0.00
Coating Worker Trips	2.15
Asphalt 09/01/2016-09/29/2016	18.02
Paving Off-Gas	0.00
Paving Off Road Diesel	13.36
Paving On Road Diesel	2.05
Paving Worker Trips	2.61
Asphalt 09/01/2016-09/30/2016	13.73
Paving Off-Gas	0.00
Paving Off Road Diesel	10.77
Paving On Road Diesel	0.57
Paving Worker Trips	2.39

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Demolition 09/01/2016-09/30/2016	80.68
Fugitive Dust	0.00
Demo Off Road Diesel	7.70
Demo On Road Diesel	71.61
Demo Worker Trips	1.37

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 7/1/2011 - 10/21/2011 - 07.2 Site Grading AET / Olympic

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 8/18/2012 - 11/10/2012 - 08.3 Site Grading PAC

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 7/30/2012 - 10/30/2012 - 05.2 Site Grading Health PE / Central Plant

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 4/5/2014 - 6/30/2014 - 06.2 Site Grading Drescher

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 8/16/2014 - 11/10/2014 - 09.2 Site Grading Math Extension

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Fine Grading 8/1/2015 - 10/11/2015 - 10.2 Site Grading Corsair

For Soil Stabilizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

The following mitigation measures apply to Phase: Architectural Coating 5/1/2013 - 6/28/2013 - 08.6 Coating PAC

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 60%

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For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 5/1/2014 - 6/28/2014 - 07.5 Coating AET / Olympic

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 8/1/2014 - 9/30/2014 - 05.5 Coating Health PE / Central Plan

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 11/1/2015 - 12/30/2015 - 06.5 Coating Drescher

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 8/1/2016 - 9/30/2016 - 10.5 Coating Corsair

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

The following mitigation measures apply to Phase: Architectural Coating 8/1/2016 - 9/29/2016 - 09.5 Coating Math Extension

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 60%

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: \\.\host\Shared Folders\Bryan On My Mac\Desktop\Current Projects\SMC\Regional\SMC project.urb924

Project Name: Santa Monica College

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	1.72	2.37	3.53	0.00	0.01	0.01

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	23.53	33.00	301.82	0.54	89.03	17.29

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	25.25	35.37	305.35	0.54	89.04	17.30

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
Natural Gas	0.17	2.35	1.98	0.00	0.00	0.00
Hearth						
Landscape	0.12	0.02	1.55	0.00	0.01	0.01
Consumer Products	0.00					
Architectural Coatings	1.43					
TOTALS (lbs/day, unmitigated)	1.72	2.37	3.53	0.00	0.01	0.01

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>
Junior college (2 yrs)	23.53	33.00	301.82	0.54	89.03	17.29
TOTALS (lbs/day, unmitigated)	23.53	33.00	301.82	0.54	89.03	17.29

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Junior college (2 yrs)		23.31	1000 sq ft	243.60	5,678.32	51,573.30
					5,678.32	51,573.30

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	50.9	0.0	100.0	0.0
Light Truck < 3750 lbs	7.2	0.0	98.6	1.4
Light Truck 3751-5750 lbs	23.2	0.0	100.0	0.0
Med Truck 5751-8500 lbs	10.9	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.7	0.0	82.4	17.6
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.6	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.9	44.8	55.2	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions

	Residential			Commute	Commercial	
	Home-Work	Home-Shop	Home-Other		Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Junior college (2 yrs)				5.0	2.5	92.5

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: \\.\host\Shared Folders\Bryan On My Mac\Desktop\Current Projects\SMC\Regional\SMC project.urb924

Project Name: Santa Monica College

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	1.60	2.35	1.98	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	26.07	39.61	285.02	0.45	89.03	17.29

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	27.67	41.96	287.00	0.45	89.03	17.29

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
Natural Gas	0.17	2.35	1.98	0.00	0.00	0.00
Hearth						
Landscaping - No Winter Emissions						
Consumer Products	0.00					
Architectural Coatings	1.43					
TOTALS (lbs/day, unmitigated)	1.60	2.35	1.98	0.00	0.00	0.00

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>
Junior college (2 yrs)	26.07	39.61	285.02	0.45	89.03	17.29
TOTALS (lbs/day, unmitigated)	26.07	39.61	285.02	0.45	89.03	17.29

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Junior college (2 yrs)		23.31	1000 sq ft	243.60	5,678.32	51,573.30
					5,678.32	51,573.30

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	50.9	0.0	100.0	0.0
Light Truck < 3750 lbs	7.2	0.0	98.6	1.4
Light Truck 3751-5750 lbs	23.2	0.0	100.0	0.0
Med Truck 5751-8500 lbs	10.9	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.7	0.0	82.4	17.6
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.6	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.9	44.8	55.2	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions

	Residential			Commute	Commercial	
	Home-Work	Home-Shop	Home-Other		Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Junior college (2 yrs)				5.0	2.5	92.5

EMISSIONS OF GREENHOUSE GAS EMISSIONS FROM NATURAL GAS CONSUMPTION

Project Name: SMC
Analysis Year: 2017
Analysis Scenario: Proposed Project

NATURAL GAS DEMAND

Land Use	Units	Consumption Rate (cubic feet/ unit/month)	Natural Gas Demand (cubic feet/ month)
Single Residential Units:		6,665.0	-
Multi-Family Residential Units:		4,011.5	-
Industrial (parcels):		241,611.0	-
Hotel/Motel (square feet):		4.8	-
Retail/Shopping (square feet):		2.9	-
Office (square feet):	243626	2.0	487,252.0
Natural Gas Demand (cubic feet/month)		487,252.0	
Heating Value of Natural Gas (Btu/cubic foot):		1,020.0	
Monthly BTU:		496,997,040.0	
Monthly Million Btu (MMBtu):		497.0	

GREENHOUSE GAS EMISSIONS

Emissions	Emission Factors (kg/MMBtu)	Emissions (metric tons/year)	CO ₂ Equivalency Factors	CO ₂ Equivalent Emissions (tons per year)
Carbon Dioxide	53.06	316.45	1	316.45
Methane	0.00500	0.030	21	0.63
Nitrous Oxide	0.00010	0.00060	310	0.18
Total Emissions:		316.48		317.26

Source of natural gas consumption rates: South Coast Air Quality Management District *CEQA Air Quality Handbook*, April 1993.

Source of greenhouse gas emission factors: *California Climate Action Registry General Reporting Protocol*, v.3.1 January 2009.

EMISSIONS OF GREENHOUSE GAS EMISSIONS FROM ELECTRICITY GENERATION

Project Name: SMC
Analysis Year: 2017
Analysis Scenario: Proposed Project

ELECTRICITY DEMAND

Land Use	Units	Useage Rate (KWh/unit/year)	Electricity Demand (KWh/year)
Residential Units		5626.5	-
Food Store (square feet):		53.3	-
Restaurant (square feet):		47.45	-
Hospital (square feet):		21.7	-
Retail (square feet):		13.55	-
College/University (square feet):	243626	11.55	2,813,880.3
High School (square feet):		10.5	-
Elementary School (square feet):		5.9	-
Office (square feet):		12.95	-
Hotel/Motel (square feet):		9.95	-
Warehouse (square feet):		4.35	-
Miscellaneous (square feet):		10.5	-
		Total Electricity Demand:	2,813,880.3

Total Megawatt Hours (MWh) per Year: 2,813.9

GREENHOUSE GAS EMISSIONS

Emissions	Emission Factors (lbs/MWh)	Emissions (metric tons)	CO ₂ Equivalency Factors	CO ₂ Equivalent Emissions (tons per year)
Carbon Dioxide	724.12	924.24	1	924.24
Methane	0.030	0.039	21	0.81
Nitrous Oxide	0.008	0.010	310	3.20
Total Emissions:		924.28		928.25

Source of usage rates: South Coast Air Quality Management District *CEQA Air Quality Handbook*, April 1993.

Source of greenhouse gas emission factors: *California Climate Action Registry General Reporting Protocol v 3.1*, January 2009.

EMISSIONS OF GREENHOUSE GAS EMISSIONS FROM MOTOR VEHICLES

Project Name: SMC
Analysis Year: 2017
Analysis Scenario: Proposed Project

Vehicle Miles Per Day: 51,573.30
 Days of Operation Per Year: 365

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel	Assumed mpg
Light Auto	51.10%	0.40%	99.40%	0.20%	29.8
Light Truck < 3,750 lbs	7.30%	1.40%	95.90%	2.70%	22.0
Light Truck 3,751-5,750	23.10%	0.40%	99.60%	0.00%	22.0
Medium Truck 5,751-8,500	10.80%	0.90%	99.10%	0.00%	17.6
Light Heavy 8,501-10,000	1.70%	0.00%	82.40%	17.60%	14.3
Light Heavy 10,001-14,000	0.50%	0.00%	60.00%	40.00%	10.5
Med-Heavy 14,001-33,000	0.90%	0.00%	22.20%	77.80%	8.0
Heavy-Heavy 33,001-60,000	0.60%	0.00%	0.00%	100.00%	5.7
Line Haul >60,000 lbs	0.10%	0.00%	0.00%	100.00%	5.7
Urban Bus	0.10%	0.00%	0.00%	100.00%	5.7
Motorcycle	2.80%	50.00%	50.00%	0.00%	27.5
School Bus	0.10%	0.00%	0.00%	100.00%	14.3
Motor Home	0.90%	0.00%	88.90%	11.10%	8.0

Mobile Source Emission Factors

Vehicle Type	Carbon Dioxide (kg/gallon)		Methane (g/mile)		Nitrous Oxide (g/mile)	
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel
Light Auto	8.81	10.15	0.0147	0.0005	0.0079	0.0010
Light Truck < 3,750 lbs	8.81	10.15	0.0157	0.0010	0.0101	0.0015
Light Truck 3,751-5,750	8.81	10.15	0.0157	0.0010	0.0101	0.0015
Medium Truck 5,751-8,500	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Light Heavy 8,501-10,000	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Light Heavy 10,001-14,000	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Med-Heavy 14,001-33,000	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Heavy-Heavy 33,001-60,000	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Line Haul >60,000 lbs	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Urban Bus	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Motorcycle	8.81	10.15	0.0900	0.0000	0.0100	0.0000
School Bus	8.81	10.15	0.0326	0.0051	0.0177	0.0051
Motor Home	8.81	10.15	0.0326	0.0051	0.0177	0.0051

Greenhouse Gas Emissions (metric tons per year)

Vehicle Type	Carbon Dioxide		Methane		Nitrous Oxide	
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel
Light Auto	2,838.11	6.55	0.0047	0.0000	0.0025	0.0000
Light Truck < 3,750 lbs	535.43	17.12	0.0010	0.0000	0.0006	0.0000
Light Truck 3,751-5,750	1,741.34	-	0.0031	-	0.0020	-
Medium Truck 5,751-8,500	1,017.66	-	0.0038	-	0.0020	-
Light Heavy 8,501-10,000	162.46	39.98	0.0006	0.0000	0.0003	0.0000
Light Heavy 10,001-14,000	47.38	36.39	0.0002	0.0000	0.0001	0.0000
Med-Heavy 14,001-33,000	41.42	167.23	0.0002	0.0001	0.0001	0.0001
Heavy-Heavy 33,001-60,000	-	201.12	-	0.0001	-	0.0001
Line Haul >60,000 lbs	-	33.52	-	0.0000	-	0.0000
Urban Bus	-	33.52	-	0.0000	-	0.0000
Motorcycle	168.86	-	0.0017	-	0.0002	-
School Bus	-	13.36	-	0.0000	-	0.0000
Motor Home	165.86	23.86	0.0006	0.0000	0.0003	0.0000
Total Emissions by Fuel Type:	6,718.52	572.66	0.0158	0.0003	0.0082	0.0003
Total Emissions by Pollutant:	7291.18		0.0161		0.0085	
CO ₂ Equivalency Factors	1.00		21.00		310.00	
CO ₂ Equivalent Emissions:	7291.18		0.34		2.64	
Total Emissions (CO ₂ e):	7,294.15					

Source of vehicle miles per day and vehicle fleet mix: URBEMIS 2007 model results for this analysis.

Sources of assumed mpg: National Highway Traffic Safety Administration Summary of Fuel Economy Performance (for passenger vehicles and light trucks for model years 2000-2008) (November 25, 2008); U.S. Department of Energy Transportation Energy Book: Edition 27 (2008)

Source of greenhouse gas emission factors: California Climate Action Registry General Reporting Protocol, v.3.1. January 2009.

EMISSIONS OF GREENHOUSE GAS EMISSIONS FROM SOLID WASTE GENERATION

Project Name: SMC
Analysis Year: 2017
Analysis Scenario: Proposed Project

WASTE

Land Use	Units	Waste Generatic Rate (lbs/ unit/day)	Expected Waste Flow (lbs/ year)
Education/schools (sq ft)	243626	0.007	633427.6
		Total	633427.6

Metric Tons/year 287.2594166

GREENHOUSE GAS EMISSIONS

Emissions	Emission Factors	Emissions metric tons/yea	CO ₂ Equivalency Factors	CO ₂ Equivalent Emissions (tons per year)
Carbon Dioxide	-0.018	-5.1706695	1	(5.17)
Methane	0.01260	3.619468649	21	76.01
Nitrous Oxide	0.00000	0	310	-
	Total Emissions:			70.84

Source of greenhouse gas emission factor: The net methane generation and avoided CO2 from energy recovery from mixed municipal solid waste landfilling is based on the EPA's Solid Waste Management and Greenhouse Gases: A life-Cycle Assessment of Emissions and Sinks, Exhibit 6-6.

Source of solid waste generation obtained from California Integrated Waste Management Board's Estimated Solid Waste Generation Table for Educational Establishments (<http://www.ciwmb.ca.gov/WasteChar/WasteGenRates/Educationl.htm>)

EMISSIONS OF GREENHOUSE GAS EMISSIONS FROM WATER USE

Project Name: SMC
Analysis Year: 2017
Analysis Scenario: Proposed Project

WATER USE

	Units	Water Generation Rate (gal/ unit/day)	Expected Water Use (gal/ year)
Land Use			
School (sq ft)	243626	0.24	21341638
Total Daily Water Use:			21341638

Gallons/month 1778470

Water Use Intensities (kwh/MG) 12700

Total Megawatt Hours (MWh) per Year: 271.0387975

GREENHOUSE GAS EMISSIONS

Emissions	Emission Factors (lbs/MWh)	Emissions (metric tons)	CO ₂ Equivalency Factors	CO ₂ Equivalent Emissions (tons per year)
Carbon Dioxide	724.12	89.02	1	89.02
Methane	0.030	0.00371	21	0.08
Nitrous Oxide	0.008	0.00100	310	0.31
Total Emissions:		89.03		89.41

Source of Water Use Intensity: California Energy Commission. Water-Energy Relationship 2005.

Source of greenhouse gas emission factors: *California Climate Action Registry General Reporting Protocol, v.3.1* January 2009.

Source of water use is Sewage Generation Factors, Table M.2-12 provided in the L.A. CEQA Thresholds Guide, 2006 multiplied by a factor of 1.2 to determine water use.