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# **Abengoa Mojave Solar Project**

## **Energy Commission Staff Estimate for Construction & On-road Operation Emissions**

## **Staff Emissions**

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# **Abengoa Mojave Solar Project**

**Energy Commission Staff Estimate for  
Construction Emissions**

## **Staff Emission Calculation Assumptions**

### **General Assumptions**

- 1) The applicant's equipment schedule was used to determine emissions from offroad equipment
- 2) The applicant's trip assumptions were used to determine emissions from on-road equipment

### **On-road Equipment Assumptions differing from the Applicant's assumptions**

- 1) Trip lengths were adjusted to consider that not all trips come from Barstow and as appropriate to make the assumptions more consistent with the information presented in the Traffic and Transportation and Socioeconomics sections of the AFC.
- 2) Exhaust emissions were calculated using the latest SCAQMD CEQA website emission factors, that use a more recent ARC EMFAC model version as their basis.
- 3) All onroad construction equipment emissions were all determined using on-road emission factors, none were estimated using off-road emission factors.
- 4) Fugitive dust emissions from paved road and unpaved road, where applicable, travel were estimated.

### **Offroad Equipment Assumptions differing from the Applicant's assumptions**

- 1) Exhaust emissions were calculated using the latest SCAQMD CEQA website emission factors, that use a more recent ARC OFFROAD model version as their basis.
- 2) Specific activity fugitive dust emissions were calculated. Specific activities included...scraping, grading, bulldozing, wind erosion from active areas.

**2011 Onroad Equipment Emission Factors (lbs/VMT)**

	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Passenger	0.0009	0.0083	0.0008	0.0000	0.0001	0.0001	1.1024
Delivery	0.0024	0.0169	0.0189	0.0000	0.0007	0.0006	2.7518
Heavy-Heavy Duty	0.0028	0.0111	0.0346	0.0000	0.0017	0.0014	4.2205

**2011 Offroad Equipment Emission Factors (lbs/hr)**

EQ Type	Use	HP	ROG	CO	NOX	SOX	PM	CO2
14 M MOTOR GRADER	GRADING EQUIPMENT	174	0.1643	0.7348	1.2650	0.0014	0.0746	123.0314
414E INDUSTRIAL LOADER	GRADING EQUIPMENT	89	0.1297	0.4032	0.4850	0.0005	0.0465	43.4451
623G SCRAPER	GRADING EQUIPMENT	313	0.2741	0.8784	2.5526	0.0026	0.1020	237.6837
631 WATER PULL (10K)	GRADING EQUIPMENT	223	0.1579	0.5364	1.3744	0.0017	0.0592	151.6206
657G SCRAPER	GRADING EQUIPMENT	475	0.3388	1.3323	3.1263	0.0031	0.1250	310.2327
825 H COMPACTOR	GRADING EQUIPMENT	114	0.1132	0.4045	0.6637	0.0007	0.0583	56.1597
AERIAL LIFT	SCISSOR LIFT	50	0.0706	0.1884	0.1952	0.0003	0.0179	19.6128
ASPHALT EQUIPMENT	PAVER/FINISHER	100	0.1547	0.4765	0.7480	0.0007	0.0683	57.4230
COMPRESSOR	DIESEL(ROTARY SCREW)	37	0.0684	0.1738	0.1839	0.0002	0.0170	18.2022
COMPRESSOR	DIESEL(ROTARY SCREW)	80	0.1035	0.2989	0.3776	0.0004	0.0369	32.8480
CONCRETE	SITE DUMPER	5	0.0025	0.0129	0.0161	0.0000	0.0009	2.1067
CONCRETE	CONCRETE MIXER	8	0.0041	0.0206	0.0258	0.0001	0.0014	3.3708
CONCRETE	CONCRETE MIXER	20	0.0197	0.0641	0.1037	0.0002	0.0062	11.9382
CRANE	TELESCOPIC JIB, SELF	185	0.1152	0.4647	0.9143	0.0010	0.0503	84.5865
CRANE	TELESCOPIC JIB	191	0.1153	0.4520	0.9362	0.0010	0.0496	87.1316
CRANE	FIXED JIB, CRAWLER	191	0.1153	0.4520	0.9362	0.0010	0.0496	87.1316
CRANE	FIXED JIB, CRAWLER	250	0.1171	0.3276	1.1522	0.0013	0.0428	112.1589
CRANE	FIXED JIB, CRAWLER	350	0.1393	0.4421	1.3511	0.0015	0.0508	139.3358
D6 DOZERS	GRADING EQUIPMENT	144	0.1895	0.7080	1.4059	0.0012	0.0821	106.5409
PILING	DRILLING FRAME	218	0.0865	0.5192	0.9327	0.0019	0.0375	168.0377
PIPING EQUIPMENT	CUTTING & BEVELLING	10	0.0078	0.0411	0.0491	0.0001	0.0019	6.7382
PIPING EQUIPMENT	CUTTING & BEVELLING	15	0.0118	0.0617	0.0737	0.0002	0.0029	10.1073
ROUGH TERRAIN FORKLIFT	LULL	85	0.1288	0.4225	0.5192	0.0006	0.0495	48.1541
TRACTOR	TRUCK TRACTOR	80	0.1559	0.4901	0.9058	0.0007	0.0803	62.4916
TRACTOR (excavator)	EXCAVATOR	80	0.1133	0.3991	0.4851	0.0006	0.0457	45.8485
WELDING EQUIPMENT	PORTABLE DIESEL	25	0.0239	0.0636	0.1069	0.0001	0.0073	11.2861

\*SCAQMD emission factors are linearly interpolated as necessary for the specific hp size of the assumed equipment

	ROG	CO	NOX	SOX	PM	CO2
Emission Factor (g/HP-hr)	46.40	158.88	1.92	0.00	0.25	429.44

EQ Type (Gasoline)		HP	ROG	CO	NOX	SOX	PM	CO2
CONCRETE (2.4 hp)	VIBRATOR GASOLINE	2.4	0.25	0.84	0.01	0.00	0.00	2.27
CONCRETE (5 hp)	POWER TROWEL,4 BLADE	5	0.51	1.75	0.02	0.00	0.00	4.73
PUMP	DIAPHRAGM	10	1.02	3.50	0.04	0.00	0.01	9.47
ELECTRIC EQUIP/TOOL	GENERATOR SET	50	5.11	17.51	0.21	0.00	0.03	47.34
ASPHALT EQUIPMENT	SPREADER TRAILER,GAS	100	10.23	35.03	0.42	0.00	0.06	94.67

**Total Project Summary**

	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
Max. Daily Emissions (lbs/day)	293.70	1,316.55	734.35	1.31	1,170.92	247.77	128,794.78
Max. Monthly Emissions (ton/mo)	3.23	14.48	8.08	0.01	12.97	2.73	1,416.74
Max. Annual Emissions (tpy)	26.86	136.94	64.70	0.15	86.33	18.27	14,719.41

\* Notes:

Maximum daily and monthly emissions for all criteria would occur during Month 6, except PM10 which would have its peak emissions during Month 5.

Maximum annual emissions would occur during:

M4 - M15 for ROG

M6 - M17 for CO

M2 - M13 for NOx

M10 - M21 for SOx and CO2

M1 - M12 for PM10 and PM2.5

**Maximum Daily Emissions (lbs/day)**

	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
<b>Onsite</b>							
Offroad Equipment Emissions	240.37	841.01	598.41	0.62	31.22	29.58	58,330.71
Fugitive Dust Emissions	---	---	---	---	1102.01	211.39	---
<b>Offsite</b>							
Vehicle Emissions	53.33	475.54	135.94	0.68	7.76	6.80	70,464.07
Fugitive Dust Emissions	---	---	---	---	29.93	0.00	---
<b>Onsite Total</b>	240.37	841.01	598.41	0.62	1,133.23	240.97	58,330.71
<b>Offsite Total</b>	53.33	475.54	135.94	0.68	37.70	6.80	70,464.07
<b>Total</b>	293.70	1,316.55	734.35	1.31	1,170.92	247.77	128,794.78

**Maximum Monthly Emissions (ton/month)**

	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
<b>Onsite</b>							
Offroad Equipment Emissions	2.64	9.25	6.58	0.01	0.34	0.33	641.64
Fugitive Dust Emissions	---	---	---	---	12.21	2.33	---
<b>Offsite</b>							
Vehicle Emissions	0.59	5.23	1.50	0.01	0.09	0.07	775.10
Fugitive Dust Emissions	---	---	---	---	0.33	0.00	---
<b>Onsite Total</b>	2.64	9.25	6.58	0.01	12.55	2.65	641.64
<b>Offsite Total</b>	0.59	5.23	1.50	0.01	0.41	0.07	775.10
<b>Total</b>	3.23	14.48	8.08	0.01	12.97	2.73	1,416.74

**Maximum Annual Emissions (ton/year)**

	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
<b>Onsite</b>							
Offroad Equipment Emissions	19.21	61.84	47.46	0.04	2.78	2.55	3,055.90
Fugitive Dust Emissions	---	---	---	---	78.66	14.91	---
<b>Offsite</b>							
Vehicle Emissions	7.65	75.10	17.24	0.11	1.05	0.79	11,663.51
Fugitive Dust Emissions	---	---	---	---	3.85	0.02	---
<b>Onsite Total</b>	19.21	61.84	47.46	0.04	81.44	17.46	3,055.90
<b>Offsite Total</b>	7.65	75.10	17.24	0.11	4.89	0.81	11,663.51
<b>Total</b>	26.86	136.94	64.70	0.15	86.33	18.27	14,719.41

\* Notes:

Maximum daily and monthly emissions for all criteria would occur during Month 6, except PM10 which would have its peak emissions during Month 5.

Maximum annual emissions would occur during:

M4 - M15 for ROG

M6 - M17 for CO

M2 - M13 for NOx

M10 - M21 for SOx and CO2

M1 - M12 for PM10 and PM2.5



Equipment per Month  
Months

Solar Field		On/Offroad	ID Number	Hours/day	Months																										
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
AUTO	CAR 4-DOOR	on	190	Gas	28	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TRUCK	PICKUP	on	190	Gas	28	9	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	1
TRUCK	PICKUP	on	200	Diesel	28	9		2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	
TRUCK	PICKUP - CREW CAB	on	200	Diesel	28	9									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TRUCK	FLATBED	on	200	Gas	14	10														1	1	1	1	1	1	1	1	1	1		
TRUCK	FLATBED	on	200	Diesel	14	10		1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	
TRUCK	FLATBED	on	200	Diesel	13	10																			1	1					
TRUCK	A-FRAME	on	200	Gas	28	9						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
TRUCK	CHERRY PICKER	on	185	Diesel	9	8	1																								
TRUCK	DUMP TRUCK	on	223	Diesel	7	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TRUCK	DUMP TRUCK	on	223	Diesel	7	12		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TRACTOR	TRUCK TRACTOR	off	80	Diesel	12	10				3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
TRACTOR	TRUCK TRACTOR	off	80	Diesel	12	10																							1	1	
TRACTOR (excavator)	EXCAVATOR	off	80	Diesel	8	15		1	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	2	2	2	1	
CRANE (185 hp)	TELESCOPIC JIB, SELF	off	185	Diesel	4	12			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	
CRANE (191 hp)	TELESCOPIC JIB	off	191	Diesel	4	12			2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	
CRANE (191 hp)	TELESCOPIC JIB	off	191	Diesel	4	12			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CRANE (191 hp)	TELESCOPIC JIB	off	191	Diesel	4	10																			1	1	1	1	1	1	
CRANE (191 hp)	FIXED JIB	off	191	Diesel	4	10																							1	1	
CRANE (191 hp)	FIXED JIB, CRAWLER	off	191	Diesel	0	12																									
COMPRESSOR (80 hp)	DIESEL(ROTARY SCREW)	off	80	Diesel	10	14			1																						
COMPRESSOR (80 hp)	DIESEL(ROTARY SCREW)	off	80	Diesel	10	14			2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1	
COMPRESSOR (80 hp)	DIESEL(ROTARY SCREW)	off	80	Diesel	10	12								1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	
CONCRETE (8 hp)	CONCRETE MIXER	off	8	Diesel	0	14																									
CONCRETE (20 hp)	CONCRETE MIXER	off	20	Diesel	0	12																									
CONCRETE (2.4 hp)	VIBRATOR GASOLINE	off	2.4	Gas	28	10			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CONCRETE (5 hp)	POWER TROWEL, 4 BLADE	off	5	Gas	17	12			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CONCRETE (5 hp)	SITE DUMPER	off	5	Diesel	0	12																									
WELDING EQUIPMENT	PORTABLE GASOLINE	off	25	Gas	27	16																									
WELDING EQUIPMENT	PORTABLE DIESEL	off	25	Diesel	27	16			3	5	7	8	8	8	10	10	10	10	12	12	12	12	12	10	10	10	10	8	6	4	
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	off	10	Diesel	14	12									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PUMP	DIAPHRAGM	off	10	Gas	28	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ELECTRIC EQUIP/TOOL	GENERATOR SET	off	50	Gas	28	16					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
AERIAL LIFT	SCISSOR LIFT	off	50	Diesel	9	4			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
140 H MOTOR GRADER	GRADING EQUIPMENT	off	174	Diesel	11	8					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ASPHALT EQUIPMENT	PAVER/FINISHER	off	100	Diesel	15	10																							1	1	



**Offsite Construction Delivery and Support Vehicles****TOTAL CONSTRUCTION DELIVERIES**

	Power Block	HTF System	Solar Field	Total #
Equipment PCS	208	49	44	301
Instruments	150	100	350	600
Concrete/Foundations (~9 cuyd/truck)	1902	297	1850	4049
Steel (~30 tons/load)	35	41	87	163
Buildings	10	10	10	30
Piping (~15 tons/load)	245	93	228	566
Electrical	150	125	75	350
Site-UG-Mains	25	10	50	85
Insulation	50	25	138	213
Field Painting	10	10	7	27
Uninstalled Spares	20	0	48	68
Therminol VP1 ~5000 gal/truck load)	0	289	0	289
Factory Deliveries (Mirrors, tubes)	0	0	1206	1206
<b>Total</b>	<b>2805</b>	<b>1049</b>	<b>4093</b>	

**Workers Commuting Trips**

**Off-Site Construction Workers Bussing Adjustments**

<b>Total</b>	<b>173</b>	<b>244</b>	<b>321</b>	<b>411</b>	<b>680</b>	<b>862</b>	<b>898</b>	<b>948</b>	<b>968</b>	<b>998</b>	<b>1086</b>	<b>1081</b>	<b>1127</b>
Solar Collector Array Facility (included in Total)				10	150	298	298	298	298	298	298	298	298
Supervisors/Management/Admin (included in Total)	8	24	35	45	65	75	75	75	75	85	85	85	85
<b>Final Off-Site Construction Worker Commute (people, not vehicles)</b>	<b>M1</b>	<b>M2</b>	<b>M3</b>	<b>M4</b>	<b>M5</b>	<b>M6</b>	<b>M7</b>	<b>M8</b>	<b>M9</b>	<b>M10</b>	<b>M11</b>	<b>M12</b>	<b>M13</b>
Day Shift - non Bussed	49	79	107	137	219	247	256	269	274	285	307	306	317
Day Shift - Bussed	124	165	215	275	461	575	602	640	655	668	734	730	765
Evening Shift - non Bussed						25	25	25	25	28	28	28	28
Evening Shift - Bussed (if available)						15	15	15	15	17	17	17	17

**Construction worker trips are re-calculated:**

	<b>M1</b>	<b>M2</b>	<b>M3</b>	<b>M4</b>	<b>M5</b>	<b>M6</b>	<b>M7</b>	<b>M8</b>	<b>M9</b>	<b>M10</b>	<b>M11</b>	<b>M12</b>	<b>M13</b>
<b>Construction Worker Commute (People)</b>													
Day shift non-bussed total worker vehicles assuming 20% carpool	40	64	86	110	175	198	205	215	219	229	246	245	254
Day shift bussed worker vehicles to the bus station	124	165	215	275	461	575	602	640	655	668	734	730	765
Day shift total buses (roundtrips)	3	4	5	6	10	12	13	14	14	14	16	16	16
Evening shift total worker vehicles assuming no bussing and 20% carpool	0	0	0	0	0	32	32	32	32	36	36	36	36
<b>Construction Worker Commute (Vehicle Trips)</b>													
Total Passenger Vehicle Trips (non-bussed) per month	880	1408	1892	2420	3850	5056	5210	5430	5518	5831	6205	6183	6381
Total Passenger Vehicle Trips (bussed) per month	2723	3630	4719	6039	10148	12656	13250	14075	14405	14691	16143	16060	16819
Total Bussed Vehicles Trips per month	66	88	110	132	220	264	286	308	308	308	352	352	352

\* The number of trips are rounded up to reflect whole number of trips.

\* 22days are assumed per month.

**Workers Commuting Trips**

**Off-Site Construction Workers Bussing Adjustments**

<b>Total</b>	<b>1149</b>	<b>1144</b>	<b>1139</b>	<b>1162</b>	<b>1155</b>	<b>1130</b>	<b>1069</b>	<b>1051</b>	<b>946</b>	<b>885</b>	<b>607</b>	<b>217</b>	<b>138</b>
Solar Collector Array Facility (included in Total)	298	298	298	298	298	298	298	298	298	298	150		
Supervisors/Management/Admin (included in Total)	85	85	85	85	80	75	75	75	55	55	55	30	15
<b>Final Off-Site Construction Worker Commute (people, not vehicles)</b>	<b>M14</b>	<b>M15</b>	<b>M16</b>	<b>M17</b>	<b>M18</b>	<b>M19</b>	<b>M20</b>	<b>M21</b>	<b>M22</b>	<b>M23</b>	<b>M24</b>	<b>M25</b>	<b>M26</b>
Day Shift - non Bussed	323	322	320	326	322	314	299	294	260	244	175	77	46
Day Shift - Bussed	781	777	774	791	790	776	731	717	657	612	403	140	92
Evening Shift - non Bussed	28	28	28	28	26	25	25	25	18	18	18		
Evening Shift - Bussed (if available)	17	17	17	17	16	15	15	15	11	11	11		

**Construction worker trips are re-calculated:**

	<b>M14</b>	<b>M15</b>	<b>M16</b>	<b>M17</b>	<b>M18</b>	<b>M19</b>	<b>M20</b>	<b>M21</b>	<b>M22</b>	<b>M23</b>	<b>M24</b>	<b>M25</b>	<b>M26</b>
<b>Construction Worker Commute (People)</b>													
Day shift non-bussed total worker vehicles assuming 20% carpool	259	258	257	261	258	252	239	236	208	196	140	62	37
Day shift bussed worker vehicles to the bus station	781	777	774	791	790	776	731	717	657	612	403	140	92
Day shift total buses (roundtrips)	17	17	17	17	17	17	16	15	14	13	9	3	2
Evening shift total worker vehicles assuming no bussing and 20% carpool	36	36	36	36	34	32	32	32	23	23	23	0	0
<b>Construction Worker Commute (Vehicle Trips)</b>													
Total Passenger Vehicle Trips (non-bussed) per month	6491	6469	6447	6535	6422	6244	5958	5892	5089	4825	3593	1364	814
Total Passenger Vehicle Trips (bussed) per month	17182	17100	17017	17397	17386	17078	16071	15774	14460	13453	8866	3086	2030
Total Bussed Vehicles Trips per month	374	374	374	374	374	374	352	330	308	286	198	66	44

\* The number of trips are rounded up to reflect whole number of trips.

\* 22days are assumed per month.

**Onroad Trips and Vehicle Miles Traveled**

**Offsite - Onroad Trips - Employee Commuting Trips**

**Monthly Employee Commuting Trips**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
Employee - Passenger (Non-bussed)	880	1408	1892	2420	3850	5056	5210	5430	5518	5831	6205	6183	6381	6491
Employee - Passenger (Bussed)	2723	3630	4719	6039	10148	12656	13250	14075	14405	14691	16143	16060	16819	17182
Employee - Buses	66	88	110	132	220	264	286	308	308	308	352	352	352	374

  

	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Employee - Passenger (Non-bussed)	6469	6447	6535	6422	6244	5958	5892	5089	4825	3593	1364	814
Employee - Passenger (Bussed)	17100	17017	17397	17386	17078	16071	15774	14460	13453	8866	3086	2030
Employee - Buses	374	374	374	374	374	352	330	308	286	198	66	44

**Offsite - Onroad Trips - Delivery Trips**

**Power Block (M3 - M26) - Delivery - HHDT**

	Trips
Total Trips	3854
Monthly Trips	161.00
Daily Trips	7.00

**Solar Field (M1 - M26) - Delivery - HHDT**

	Trips
Total Trip	4093
Monthly Trips	157.00
Daily Trips	7.00

Equipment - Onroad Trips

Site Prep	Use	Type		Equipment per Month																
				hrs/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
TRUCK	PICKUP	Passenger	Gas	4	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0
TRUCK	FUEL/LUBE	Delivery	Diesel	5	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	4	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0
WATER TRUCK	GRADING EQUIPMENT	HHDT	Diesel	7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
TRUCK	DUMP TRUCK	HHDT	Diesel	7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1

Site Prep - Total VMT	Use	Type		VMT per Month																
				Total mi/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
TRUCK	PICKUP	Passenger	Gas	60	3960	3960	3960	3960	3960	3960	0	0	0	0	0	0	0	0	0	0
TRUCK	FUEL/LUBE	Delivery	Diesel	60	1320	1320	1320	1320	1320	1320	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	60	3960	3960	3960	3960	3960	3960	0	0	0	0	0	0	0	0	0	0
WATER TRUCK	GRADING EQUIPMENT	HHDT	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440	440

Site Prep - Unpaved VMT	Use	Type		VMT per Month																
				Unpaved mi/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
TRUCK	PICKUP	Passenger	Gas	5	330	330	330	330	330	330	0	0	0	0	0	0	0	0	0	0
TRUCK	FUEL/LUBE	Delivery	Diesel	5	110	110	110	110	110	110	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	5	330	330	330	330	330	330	0	0	0	0	0	0	0	0	0	0
WATER TRUCK	GRADING EQUIPMENT	HHDT	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440	440

Power Block	Use	Type		Equipment per Month																
				hrs/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
AUTO	CAR 4-DOOR	Passenger	Gas	4	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3
TRUCK	PICKUP	Passenger	Diesel	5	0	0	0	0	2	2	2	2	2	3	3	3	3	3	3	3
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	5	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
TRUCK	FLATBED	Delivery	Diesel	6	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
TRUCK	FLATBED	Delivery	Diesel	6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
TRUCK	FLATBED	Delivery	Diesel	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TRUCK	FLATBED	Delivery	Diesel	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	LUBE/GREASE	Delivery	Diesel	6	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2
TRUCK	CHERRY PICKER	Delivery	Diesel	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
TRUCK	DUMP TRUCK	HHDT	Diesel	7	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0

Power Block - Total VMT	Use	Type		VMT per Month																
				Total mi/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
AUTO	CAR 4-DOOR	Passenger	Gas	60	0	0	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
TRUCK	PICKUP	Passenger	Gas	60	0	0	0	0	1320	1320	1320	1320	1320	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Gas	60	0	0	0	0	0	0	0	1320	2640	2640	3960	3960	3960	3960	3960	3960
TRUCK	PICKUP	Passenger	Diesel	60	0	0	0	0	2640	2640	2640	2640	2640	2640	3960	3960	3960	3960	3960	3960
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	60	0	0	0	0	0	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440	440
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	LUBE/GREASE	Delivery	Diesel	60	0	0	0	0	1320	1320	1320	1320	1320	1320	2640	2640	2640	2640	2640	2640
TRUCK	CHERRY PICKER	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	0	0	0	0	0

Equipment - Onroad Trips

Site Prep	Use	Type		Equipment per Month											
				hrs/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	
TRUCK	PICKUP	Passenger	Gas	4	0	0	0	0	0	0	0	0	0	0	0
TRUCK	FUEL/LUBE	Delivery	Diesel	5	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	4	0	0	0	0	0	0	0	0	0	0	0
WATER TRUCK	GRADING EQUIPMENT	HHDT	Diesel	7	1	1	1	1	1	1	1	1	1	1	1
TRUCK	DUMP TRUCK	HHDT	Diesel	7	1	1	1	1	1	1	1	1	1	1	1

Site Prep - Total VMT	Use	Type		VMT per Month											
				Total mi/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	
TRUCK	PICKUP	Passenger	Gas	60	0	0	0	0	0	0	0	0	0	0	0
TRUCK	FUEL/LUBE	Delivery	Diesel	60	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	60	0	0	0	0	0	0	0	0	0	0	0
WATER TRUCK	GRADING EQUIPMENT	HHDT	Diesel	20	440	440	440	440	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHDT	Diesel	20	440	440	440	440	440	440	440	440	440	440	440

Site Prep - Unpaved VMT	Use	Type		VMT per Month											
				Unpaved mi/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	0	0	0	0	0	0	0
TRUCK	FUEL/LUBE	Delivery	Diesel	5	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	5	0	0	0	0	0	0	0	0	0	0	0
WATER TRUCK	GRADING EQUIPMENT	HHDT	Diesel	20	440	440	440	440	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHDT	Diesel	20	440	440	440	440	440	440	440	440	440	440	440

Power Block	Use	Type		Equipment per Month											
				hrs/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	
AUTO	CAR 4-DOOR	Passenger	Gas	4	1	1	1	1	1	1	1	1	1	1	1
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Gas	5	3	3	3	3	3	2	2	2	2	2	
TRUCK	PICKUP	Passenger	Diesel	5	3	3	3	3	3	2	2	2	2	1	
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	5	0	1	1	1	1	1	1	1	1	0	
TRUCK	PICKUP	Passenger	Diesel	5	1	1	1	1	1	1	0	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	6	1	1	1	1	1	1	1	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	6	1	1	1	0	0	0	0	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	6	1	1	1	1	0	0	0	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	6	0	0	0	0	0	0	1	0	0	0	
TRUCK	A-FRAME	Delivery	Gas	5	0	0	0	0	0	0	0	0	0	0	
TRUCK	LUBE/GREASE	Delivery	Diesel	6	2	2	2	2	1	1	1	1	1	1	
TRUCK	CHERRY PICKER	Delivery	Diesel	5	0	0	0	0	1	1	1	1	0	0	
TRUCK	DUMP TRUCK	HHDT	Diesel	7	0	0	1	1	1	1	1	1	0	0	
TRUCK	DUMP TRUCK	HHDT	Diesel	7	1	1	0	0	0	0	0	0	0	0	
TRUCK	DUMP TRUCK	HHDT	Diesel	7	0	0	0	0	0	0	0	0	0	0	

Power Block - Total VMT	Use	Type		VMT per Month											
				Total mi/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	
AUTO	CAR 4-DOOR	Passenger	Gas	60	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
TRUCK	PICKUP	Passenger	Gas	60	0	0	0	0	0	0	0	0	0	0	
TRUCK	PICKUP	Passenger	Gas	60	3960	3960	3960	3960	3960	2640	2640	2640	2640	2640	
TRUCK	PICKUP	Passenger	Diesel	60	3960	3960	3960	3960	3960	2640	2640	2640	2640	1320	
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	60	0	1320	1320	1320	1320	1320	1320	1320	1320	0	
TRUCK	PICKUP	Passenger	Diesel	60	1320	1320	1320	1320	1320	1320	0	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	20	440	440	440	440	440	440	440	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	20	440	440	440	0	0	0	0	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	20	440	440	440	440	0	0	0	0	0	0	
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	440	0	0	0	
TRUCK	A-FRAME	Delivery	Gas	20	0	0	0	0	0	0	0	0	0	0	
TRUCK	LUBE/GREASE	Delivery	Diesel	60	2640	2640	2640	2640	1320	1320	1320	1320	1320	1320	
TRUCK	CHERRY PICKER	Delivery	Diesel	20	0	0	0	0	440	440	440	440	0	0	
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	440	440	440	440	440	440	0	0	
TRUCK	DUMP TRUCK	HHDT	Diesel	20	440	440	0	0	0	0	0	0	0	0	
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0	

VMT per Month

Power Block - Unpaved VMT	Use	Type		VMT per Month																
				Unpaved mi/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
AUTO	CAR 4-DOOR	Passenger	Gas	5	0	0	0	0	110	110	110	110	110	110	110	110	110	110	110	110
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	110	110	110	110	110	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	0	0	0	110	220	220	330	330	330	330	330	330
TRUCK	PICKUP	Passenger	Diesel	5	0	0	0	0	220	220	220	220	220	330	330	330	330	330	330	330
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Diesel	5	0	0	0	0	0	0	0	110	110	110	110	110	110	110	110	110
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	440	440	440	440	440	440	440	440	440
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	LUBE/GREASE	Delivery	Diesel	5	0	0	0	0	110	110	110	110	110	110	220	220	220	220	220	220
TRUCK	CHERRY PICKER	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	20	0	0	0	0	0	0	0	0	0	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHTD	Diesel	20	0	0	0	0	0	0	440	440	440	440	440	0	0	0	0	0

Equipment per Month

Solar Field	Use	Type		Equipment per Month																
				hrs/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
AUTO	CAR 4-DOOR	Passenger	Gas	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRUCK	PICKUP	Passenger	Gas	9	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3
TRUCK	PICKUP	Passenger	Diesel	9	0	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
TRUCK	FLATBED	Delivery	Gas	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TRUCK	FLATBED	Delivery	Diesel	10	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
TRUCK	FLATBED	Delivery	Diesel	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	9	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2
TRUCK	CHERRY PICKER	Delivery	Diesel	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	12	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRUCK	DUMP TRUCK	HHTD	Diesel	12	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0

VMT per Month

Solar Field - Total VMT	Use	Type		VMT per Month																
				Total mi/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
AUTO	CAR 4-DOOR	Passenger	Gas	60	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
TRUCK	PICKUP	Passenger	Gas	60	1320	1320	1320	2640	2640	2640	3960	3960	3960	3960	3960	3960	3960	3960	3960	3960
TRUCK	PICKUP	Passenger	Diesel	60	0	2640	2640	3960	3960	3960	3960	3960	3960	3960	3960	3960	3960	3960	3960	3960
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	60	0	0	0	0	0	0	0	0	0	0	1320	1320	1320	1320	1320	1320
TRUCK	FLATBED	Delivery	Gas	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440
TRUCK	FLATBED	Delivery	Diesel	20	0	440	440	440	440	440	440	440	440	440	440	440	440	440	440	880
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	0	0	0	0	0	0	0	880	880	880	880	880	880	880	880	880
TRUCK	CHERRY PICKER	Delivery	Diesel	20	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	20	440	440	440	440	440	440	440	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	20	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHTD	Diesel	20	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0

VMT per Month

Solar Field - Unpaved VMT	Use	Type		VMT per Month																
				Unpaved mi/day	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
AUTO	CAR 4-DOOR	Passenger	Gas	5	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
TRUCK	PICKUP	Passenger	Gas	5	110	110	110	220	220	220	330	330	330	330	330	330	330	330	330	330
TRUCK	PICKUP	Passenger	Diesel	5	0	220	220	330	330	330	330	330	330	330	330	330	330	330	330	330
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	5	0	0	0	0	0	0	0	0	0	0	110	110	110	110	110	110
TRUCK	FLATBED	Delivery	Gas	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440
TRUCK	FLATBED	Delivery	Diesel	20	0	440	440	440	440	440	440	440	440	440	440	440	440	440	440	880
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	0	0	0	0	0	0	0	880	880	880	880	880	880	880	880	880
TRUCK	CHERRY PICKER	Delivery	Diesel	20	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	20	440	440	440	440	440	440	440	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHTD	Diesel	20	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440
TRUCK	DUMP TRUCK	HHTD	Diesel	20	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0

				VMT per Month										
Power Block - Unpaved VMT	Use	Type		Unpaved mi/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
AUTO	CAR 4-DOOR	Passenger	Gas	5	110	110	110	110	110	110	110	110	110	110
TRUCK	PICKUP	Passenger	Gas	5	0	0	0	0	0	0	0	0	0	0
TRUCK	PICKUP	Passenger	Gas	5	330	330	330	330	330	220	220	220	220	220
TRUCK	PICKUP	Passenger	Diesel	5	330	330	330	330	330	220	220	220	220	110
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	5	0	110	110	110	110	110	110	110	110	0
TRUCK	PICKUP	Passenger	Diesel	5	110	110	110	110	110	110	0	0	0	0
TRUCK	FLATBED	Delivery	Diesel	20	440	440	440	440	440	440	440	0	0	0
TRUCK	FLATBED	Delivery	Diesel	20	440	440	440	0	0	0	0	0	0	0
TRUCK	FLATBED	Delivery	Diesel	20	440	440	440	440	0	0	0	0	0	0
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	0	0	440	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	0	0	0	0	0	0	0	0	0	0
TRUCK	LUBE/GREASE	Delivery	Diesel	5	220	220	220	220	110	110	110	110	110	110
TRUCK	CHERRY PICKER	Delivery	Diesel	20	0	0	0	0	440	440	440	440	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	440	440	440	440	440	440	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	440	440	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0

				Equipment per Month										
Solar Field	Use	Type		hrs/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
AUTO	CAR 4-DOOR	Passenger	Gas	8	1	1	1	1	1	1	1	1	1	1
TRUCK	PICKUP	Passenger	Gas	9	3	3	3	3	3	2	2	2	2	1
TRUCK	PICKUP	Passenger	Diesel	9	3	3	3	3	3	3	3	3	2	2
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	9	1	1	1	1	1	1	1	1	1	1
TRUCK	FLATBED	Delivery	Gas	10	1	1	1	1	1	1	1	1	1	0
TRUCK	FLATBED	Delivery	Diesel	10	2	2	2	2	2	2	1	1	1	1
TRUCK	FLATBED	Delivery	Diesel	10	0	0	0	0	1	1	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	9	2	2	2	2	2	2	2	0	0	0
TRUCK	CHERRY PICKER	Delivery	Diesel	8	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	12	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	12	1	1	1	1	1	1	1	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	12	0	0	0	0	0	0	0	0	0	0

				VMT per Month										
Solar Field - Total VMT	Use	Type		Total mi/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
AUTO	CAR 4-DOOR	Passenger	Gas	60	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
TRUCK	PICKUP	Passenger	Gas	60	3960	3960	3960	3960	3960	2640	2640	2640	2640	1320
TRUCK	PICKUP	Passenger	Diesel	60	3960	3960	3960	3960	3960	3960	3960	3960	2640	2640
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	60	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
TRUCK	FLATBED	Delivery	Gas	20	440	440	440	440	440	440	440	440	440	0
TRUCK	FLATBED	Delivery	Diesel	20	880	880	880	880	880	880	440	440	440	440
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	440	440	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	880	880	880	880	880	880	880	0	0	0
TRUCK	CHERRY PICKER	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	440	440	440	440	440	440	440	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0

				VMT per Month										
Solar Field - Unpaved VMT	Use	Type		Unpaved mi/day	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
AUTO	CAR 4-DOOR	Passenger	Gas	5	110	110	110	110	110	110	110	110	110	110
TRUCK	PICKUP	Passenger	Gas	5	330	330	330	330	330	220	220	220	220	110
TRUCK	PICKUP	Passenger	Diesel	5	330	330	330	330	330	330	330	330	220	220
TRUCK	PICKUP - CREW CAB	Passenger	Diesel	5	110	110	110	110	110	110	110	110	110	110
TRUCK	FLATBED	Delivery	Gas	20	440	440	440	440	440	440	440	440	440	0
TRUCK	FLATBED	Delivery	Diesel	20	880	880	880	880	880	880	440	440	440	440
TRUCK	FLATBED	Delivery	Diesel	20	0	0	0	0	440	440	0	0	0	0
TRUCK	A-FRAME	Delivery	Gas	20	880	880	880	880	880	880	880	0	0	0
TRUCK	CHERRY PICKER	Delivery	Diesel	20	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	440	440	440	440	440	440	440	0	0	0
TRUCK	DUMP TRUCK	HHDT	Diesel	20	0	0	0	0	0	0	0	0	0	0



**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 1								Month 2							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	114,400	97.51	945.26	96.62	1.23	10.16	6.47	126109	183,040	156.01	1,512.42	154.60	1.97	16.25	10.35	201774
Passenger	108,900	92.82	899.81	91.98	1.17	9.67	6.16	120046	145,200	123.76	1,199.75	122.64	1.56	12.89	8.21	160061
Buses	6,600	18.45	73.42	228.08	0.26	10.96	9.54	27855	8,800	24.60	97.90	304.11	0.35	14.62	12.71	37140
<b>Totals</b>		<b>208.78</b>	<b>1,918.50</b>	<b>416.68</b>	<b>2.67</b>	<b>30.79</b>	<b>22.16</b>	<b>274010</b>	<b>Totals</b>	<b>304.37</b>	<b>2,810.06</b>	<b>581.34</b>	<b>3.89</b>	<b>43.76</b>	<b>31.27</b>	<b>398976</b>

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 1								Month 2							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>Totals</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>

Solar Field	Month 1								Month 2							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>		<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>

**Equipment - Onroad Trips**

Site Prep	Month 1								Month 2							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>	<b>Totals</b>	<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>

Power Block	Month 1								Month 2							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>Totals</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>

Solar Field	Month 1								Month 2							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	2,640	2.25	21.81	2.23	0.03	0.23	0.15	2910	5,280	4.50	43.63	4.46	0.06	0.47	0.30	5820
Delivery	440	1.06	7.45	8.33	0.01	0.31	0.26	1211	440	1.06	7.45	8.33	0.01	0.31	0.26	1211
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>		<b>5.77</b>	<b>39.05</b>	<b>40.97</b>	<b>0.08</b>	<b>2.00</b>	<b>1.68</b>	<b>7835</b>	<b>Totals</b>	<b>8.02</b>	<b>60.87</b>	<b>43.20</b>	<b>0.10</b>	<b>2.24</b>	<b>1.83</b>	<b>10745</b>

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 3								Month 4							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	245,960	209.64	2,032.31	207.74	2.65	21.84	13.90	271134	314,600	268.14	2,599.46	265.71	3.39	27.93	17.78	346800
Passenger	188,760	160.89	1,559.68	159.43	2.03	16.76	10.67	208080	241,560	205.89	1,995.95	204.02	2.60	21.45	13.65	266284
Buses	11,000	30.75	122.37	380.14	0.44	18.27	15.89	46425	13,200	36.90	146.85	456.17	0.52	21.92	19.07	55710
<b>Totals</b>		<b>401.28</b>	<b>3,714.36</b>	<b>747.31</b>	<b>5.12</b>	<b>56.87</b>	<b>40.47</b>	<b>525639</b>	<b>Totals</b>	<b>510.93</b>	<b>4,742.26</b>	<b>925.90</b>	<b>6.52</b>	<b>71.31</b>	<b>50.51</b>	<b>668794</b>

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 3								Month 4							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>		<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>

Solar Field	Month 3								Month 4							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>		<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>

**Equipment - Onroad Trips**

Site Prep	Month 3								Month 4							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>	<b>Totals</b>	<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>

Power Block	Month 3								Month 4							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>Totals</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>

Solar Field	Month 3								Month 4							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	5,280	4.50	43.63	4.46	0.06	0.47	0.30	5820	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	440	1.06	7.45	8.33	0.01	0.31	0.26	1211	440	1.06	7.45	8.33	0.01	0.31	0.26	1211
Heavy-Heavy Duty	1,320	3.69	14.68	45.62	0.05	2.19	1.91	5571	1,320	3.69	14.68	45.62	0.05	2.19	1.91	5571
<b>Totals</b>		<b>9.25</b>	<b>65.76</b>	<b>58.41</b>	<b>0.12</b>	<b>2.97</b>	<b>2.47</b>	<b>12602</b>	<b>Totals</b>	<b>11.50</b>	<b>87.58</b>	<b>60.64</b>	<b>0.15</b>	<b>3.20</b>	<b>2.62</b>	<b>15512</b>

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 5								Month 6							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	500,500	426.59	4,135.51	422.72	5.39	44.44	28.29	551727	657,228	560.18	5,430.52	555.10	7.08	58.36	37.15	724496
Passenger	405,900	345.96	3,353.85	342.82	4.37	36.04	22.94	447444	506,220	431.47	4,182.77	427.56	5.45	44.95	28.61	558032
Buses	22,000	61.50	244.74	760.28	0.87	36.54	31.79	92850	26,400	73.80	293.69	912.33	1.05	43.85	38.14	111420
<b>Totals</b>		<b>834.05</b>	<b>7,734.10</b>	<b>1,525.83</b>	<b>10.64</b>	<b>117.02</b>	<b>83.02</b>	<b>1092021</b>	<b>Totals</b>	<b>1,065.44</b>	<b>9,906.98</b>	<b>1,894.99</b>	<b>13.58</b>	<b>147.15</b>	<b>103.91</b>	<b>1393949</b>

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 5								Month 6							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>		<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>

Solar Field	Month 5								Month 6							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>		<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>

**Equipment - Onroad Trips**

Site Prep	Month 5								Month 6							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>	<b>Totals</b>	<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>

Power Block	Month 5								Month 6							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	5,280	4.50	43.63	4.46	0.06	0.47	0.30	5820	5,280	4.50	43.63	4.46	0.06	0.47	0.30	5820
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>7.69</b>	<b>65.98</b>	<b>29.45</b>	<b>0.09</b>	<b>1.39</b>	<b>1.09</b>	<b>9453</b>	<b>Totals</b>	<b>7.69</b>	<b>65.98</b>	<b>29.45</b>	<b>0.09</b>	<b>1.39</b>	<b>1.09</b>	<b>9453</b>

Solar Field	Month 5								Month 6							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	440	1.06	7.45	8.33	0.01	0.31	0.26	1211	440	1.06	7.45	8.33	0.01	0.31	0.26	1211
Heavy-Heavy Duty	1,320	3.69	14.68	45.62	0.05	2.19	1.91	5571	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>		<b>11.50</b>	<b>87.58</b>	<b>60.64</b>	<b>0.15</b>	<b>3.20</b>	<b>2.62</b>	<b>15512</b>	<b>Totals</b>	<b>10.27</b>	<b>82.68</b>	<b>45.43</b>	<b>0.13</b>	<b>2.47</b>	<b>1.98</b>	<b>13655</b>

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 7								Month 8							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	677,248	577.24	5,595.94	572.01	7.30	60.13	38.28	746565	705,848	601.62	5,832.25	596.16	7.61	62.67	39.90	778093
Passenger	529,980	451.72	4,379.10	447.62	5.71	47.06	29.96	584224	562,980	479.85	4,651.77	475.50	6.07	49.99	31.82	620602
Buses	28,600	79.95	318.16	988.36	1.14	47.50	41.32	120705	30,800	86.10	342.64	1,064.39	1.22	51.15	44.50	129990
<b>Totals</b>	<b>1,108.91</b>	<b>10,293.20</b>	<b>2,007.99</b>	<b>14.14</b>	<b>154.69</b>	<b>109.56</b>	<b>1451495</b>	<b>Totals</b>	<b>1,167.56</b>	<b>10,826.66</b>	<b>2,136.05</b>	<b>14.89</b>	<b>163.82</b>	<b>116.22</b>	<b>1528685</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 7								Month 8							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 7								Month 8							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 7								Month 8							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 7								Month 8							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	5,280	4.50	43.63	4.46	0.06	0.47	0.30	5820	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	1,760	4.26	29.80	33.32	0.05	1.23	1.05	4843	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>9.99</b>	<b>78.32</b>	<b>52.99</b>	<b>0.12</b>	<b>2.43</b>	<b>1.98</b>	<b>12521</b>	<b>Totals</b>	<b>13.30</b>	<b>107.59</b>	<b>63.55</b>	<b>0.16</b>	<b>2.98</b>	<b>2.40</b>	<b>16642</b>	

Solar Field	Month 7								Month 8							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186
Delivery	440	1.06	7.45	8.33	0.01	0.31	0.26	1211	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>11.40</b>	<b>93.59</b>	<b>46.55</b>	<b>0.15</b>	<b>2.59</b>	<b>2.06</b>	<b>15111</b>	<b>Totals</b>	<b>12.30</b>	<b>103.59</b>	<b>48.00</b>	<b>0.15</b>	<b>2.48</b>	<b>1.95</b>	<b>15675</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 9								Month 10							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	717,288	611.37	5,926.78	605.82	7.73	63.69	40.54	790704	758,014	646.08	6,263.29	640.22	8.17	67.31	42.85	835598
Passenger	576,180	491.10	4,760.84	486.64	6.21	51.16	32.57	635153	587,620	500.85	4,855.36	496.31	6.33	52.18	33.22	647764
Buses	30,800	86.10	342.64	1,064.39	1.22	51.15	44.50	129990	30,800	86.10	342.64	1,064.39	1.22	51.15	44.50	129990
<b>Totals</b>	<b>1,324,268</b>	<b>1,188.56</b>	<b>11,030.25</b>	<b>2,156.86</b>	<b>15.16</b>	<b>166.01</b>	<b>117.62</b>	<b>1555847</b>	<b>1,324,268</b>	<b>1,233.03</b>	<b>11,461.29</b>	<b>2,200.92</b>	<b>15.72</b>	<b>170.64</b>	<b>120.56</b>	<b>1613352</b>

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 9								Month 10							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>14,490</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>14,490</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>

Solar Field	Month 9								Month 10							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>14,130</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>14,130</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>

**Equipment - Onroad Trips**

Site Prep	Month 9								Month 10							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>880</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>880</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>

Power Block	Month 9								Month 10							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186
Delivery	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>11,880</b>	<b>14.43</b>	<b>118.49</b>	<b>64.66</b>	<b>0.18</b>	<b>3.09</b>	<b>2.47</b>	<b>18097</b>	<b>11,880</b>	<b>14.43</b>	<b>118.49</b>	<b>64.66</b>	<b>0.18</b>	<b>3.09</b>	<b>2.47</b>	<b>18097</b>

Solar Field	Month 9								Month 10							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>11,000</b>	<b>12.30</b>	<b>103.59</b>	<b>48.00</b>	<b>0.15</b>	<b>2.48</b>	<b>1.95</b>	<b>15675</b>	<b>11,000</b>	<b>12.30</b>	<b>103.59</b>	<b>48.00</b>	<b>0.15</b>	<b>2.48</b>	<b>1.95</b>	<b>15675</b>

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 11								Month 12							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	806,634	687.52	6,665.02	681.29	8.69	71.62	45.60	889195	803,774	685.08	6,641.39	678.87	8.66	71.37	45.43	886042
Passenger	645,700	550.35	5,335.26	545.36	6.96	57.33	36.50	711788	642,400	547.54	5,308.00	542.57	6.92	57.04	36.31	708151
Buses	35,200	98.40	391.59	1,216.44	1.40	58.46	50.86	148560	35,200	98.40	391.59	1,216.44	1.40	58.46	50.86	148560
<b>Totals</b>	<b>1,336.27</b>	<b>12,391.87</b>	<b>2,443.09</b>	<b>17.05</b>	<b>187.42</b>	<b>132.95</b>	<b>1749543</b>	<b>Totals</b>	<b>1,331.02</b>	<b>12,340.97</b>	<b>2,437.89</b>	<b>16.98</b>	<b>186.87</b>	<b>132.61</b>	<b>1742753</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 11								Month 12							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 11								Month 12							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 11								Month 12							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 11								Month 12							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	3,520	8.51	59.60	66.65	0.10	2.47	2.10	9686	3,520	8.51	59.60	66.65	0.10	2.47	2.10	9686
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>19.97</b>	<b>156.65</b>	<b>105.98</b>	<b>0.24</b>	<b>4.87</b>	<b>3.97</b>	<b>25041</b>	<b>Totals</b>	<b>18.74</b>	<b>151.75</b>	<b>90.77</b>	<b>0.23</b>	<b>4.14</b>	<b>3.33</b>	<b>23184</b>	

Solar Field	Month 11								Month 12							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>13.42</b>	<b>114.50</b>	<b>49.12</b>	<b>0.17</b>	<b>2.59</b>	<b>2.02</b>	<b>17130</b>	<b>Totals</b>	<b>13.42</b>	<b>114.50</b>	<b>49.12</b>	<b>0.17</b>	<b>2.59</b>	<b>2.02</b>	<b>17130</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 13								Month 14							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	829,514	707.02	6,854.08	700.61	8.94	73.65	46.89	914416	843,814	719.21	6,972.23	712.69	9.09	74.92	47.70	930180
Passenger	672,760	573.42	5,558.85	568.22	7.25	59.74	38.03	741618	687,280	585.79	5,678.83	580.48	7.41	61.03	38.85	757624
Buses	35,200	98.40	391.59	1,216.44	1.40	58.46	50.86	148560	37,400	104.55	416.06	1,292.47	1.49	62.12	54.04	157845
<b>Totals</b>	<b>1,378.84</b>	<b>12,804.52</b>	<b>2,485.27</b>	<b>17.58</b>	<b>191.85</b>	<b>135.78</b>	<b>1804595</b>	<b>Totals</b>	<b>1,409.55</b>	<b>13,067.12</b>	<b>2,585.64</b>	<b>17.98</b>	<b>198.07</b>	<b>140.58</b>	<b>1845649</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 13								Month 14							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 13								Month 14							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 13								Month 14							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 13								Month 14							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	3,520	8.51	59.60	66.65	0.10	2.47	2.10	9686	3,520	8.51	59.60	66.65	0.10	2.47	2.10	9686
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>18.74</b>	<b>151.75</b>	<b>90.77</b>	<b>0.23</b>	<b>4.14</b>	<b>3.33</b>	<b>23184</b>	<b>Totals</b>	<b>18.74</b>	<b>151.75</b>	<b>90.77</b>	<b>0.23</b>	<b>4.14</b>	<b>3.33</b>	<b>23184</b>	

Solar Field	Month 13								Month 14							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>13.42</b>	<b>114.50</b>	<b>49.12</b>	<b>0.17</b>	<b>2.59</b>	<b>2.02</b>	<b>17130</b>	<b>Totals</b>	<b>13.42</b>	<b>114.50</b>	<b>49.12</b>	<b>0.17</b>	<b>2.59</b>	<b>2.02</b>	<b>17130</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 15								Month 16							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	840,954	716.77	6,948.60	710.27	9.06	74.67	47.54	927027	838,094	714.34	6,924.97	707.86	9.03	74.42	47.37	923875
Passenger	683,980	582.98	5,651.56	577.69	7.37	60.73	38.66	753986	680,680	580.17	5,624.29	574.91	7.33	60.44	38.48	750349
Buses	37,400	104.55	416.06	1,292.47	1.49	62.12	54.04	157845	37,400	104.55	416.06	1,292.47	1.49	62.12	54.04	157845
<b>Totals</b>	<b>1,404.30</b>	<b>13,016.22</b>	<b>2,580.44</b>	<b>17.92</b>	<b>197.52</b>	<b>140.24</b>	<b>1838859</b>	<b>Totals</b>	<b>1,399.05</b>	<b>12,965.32</b>	<b>2,575.24</b>	<b>17.85</b>	<b>196.97</b>	<b>139.89</b>	<b>1832068</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 15								Month 16							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 15								Month 16							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 15								Month 16							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 15								Month 16							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	3,960	9.58	67.05	74.98	0.11	2.78	2.36	10897	3,960	9.58	67.05	74.98	0.11	2.78	2.36	10897
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>19.81</b>	<b>159.20</b>	<b>99.10</b>	<b>0.24</b>	<b>4.44</b>	<b>3.60</b>	<b>24395</b>	<b>Totals</b>	<b>19.81</b>	<b>159.20</b>	<b>99.10</b>	<b>0.24</b>	<b>4.44</b>	<b>3.60</b>	<b>24395</b>	

Solar Field	Month 15								Month 16							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	1,760	4.26	29.80	33.32	0.05	1.23	1.05	4843	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>14.49</b>	<b>121.95</b>	<b>57.45</b>	<b>0.18</b>	<b>2.90</b>	<b>2.28</b>	<b>18341</b>	<b>Totals</b>	<b>15.55</b>	<b>129.40</b>	<b>65.78</b>	<b>0.19</b>	<b>3.21</b>	<b>2.55</b>	<b>19552</b>	



**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 17								Month 18							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	849,534	724.09	7,019.50	717.52	9.15	75.43	48.02	936486	834,891	711.60	6,898.50	705.15	9.00	74.13	47.19	920344
Passenger	695,860	593.10	5,749.72	587.73	7.50	61.79	39.33	767082	695,420	592.73	5,746.09	587.35	7.49	61.75	39.31	766597
Buses	37,400	104.55	416.06	1,292.47	1.49	62.12	54.04	157845	37,400	104.55	416.06	1,292.47	1.49	62.12	54.04	157845
<b>Totals</b>	<b>1,421.74</b>	<b>13,185.28</b>	<b>2,597.72</b>	<b>18.14</b>	<b>199.34</b>	<b>141.39</b>	<b>1861413</b>	<b>Totals</b>	<b>1,408.88</b>	<b>13,060.65</b>	<b>2,584.98</b>	<b>17.97</b>	<b>198.00</b>	<b>140.54</b>	<b>1844786</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 17								Month 18							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 17								Month 18							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 17								Month 18							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 17								Month 18							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	11,880	10.13	98.16	10.03	0.13	1.05	0.67	13096
Delivery	3,960	9.58	67.05	74.98	0.11	2.78	2.36	10897	3,960	9.58	67.05	74.98	0.11	2.78	2.36	10897
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>19.81</b>	<b>159.20</b>	<b>99.10</b>	<b>0.24</b>	<b>4.44</b>	<b>3.60</b>	<b>24395</b>	<b>Totals</b>	<b>20.93</b>	<b>170.11</b>	<b>100.22</b>	<b>0.25</b>	<b>4.56</b>	<b>3.67</b>	<b>25850</b>	

Solar Field	Month 17								Month 18							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>15.55</b>	<b>129.40</b>	<b>65.78</b>	<b>0.19</b>	<b>3.21</b>	<b>2.55</b>	<b>19552</b>	<b>Totals</b>	<b>15.55</b>	<b>129.40</b>	<b>65.78</b>	<b>0.19</b>	<b>3.21</b>	<b>2.55</b>	<b>19552</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 19								Month 20							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	811,668	691.81	6,706.62	685.54	8.75	72.07	45.88	894743	774,488	660.12	6,399.41	654.14	8.34	68.77	43.78	853758
Passenger	683,100	582.23	5,644.29	576.95	7.36	60.65	38.61	753016	642,840	547.91	5,311.63	542.95	6.93	57.08	36.34	708636
Buses	37,400	104.55	416.06	1,292.47	1.49	62.12	54.04	157845	35,200	98.40	391.59	1,216.44	1.40	58.46	50.86	148560
<b>Totals</b>	<b>1,378.59</b>	<b>12,766.97</b>	<b>2,554.96</b>	<b>17.59</b>	<b>194.84</b>	<b>138.53</b>	<b>1805605</b>	<b>Totals</b>	<b>1,306.43</b>	<b>12,102.62</b>	<b>2,413.53</b>	<b>16.67</b>	<b>184.31</b>	<b>130.97</b>	<b>1710954</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 19								Month 20							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 19								Month 20							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 19								Month 20							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 19								Month 20							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	11,880	10.13	98.16	10.03	0.13	1.05	0.67	13096	11,880	10.13	98.16	10.03	0.13	1.05	0.67	13096
Delivery	3,960	9.58	67.05	74.98	0.11	2.78	2.36	10897	3,520	8.51	59.60	66.65	0.10	2.47	2.10	9686
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>20.93</b>	<b>170.11</b>	<b>100.22</b>	<b>0.25</b>	<b>4.56</b>	<b>3.67</b>	<b>25850</b>	<b>Totals</b>	<b>19.87</b>	<b>162.66</b>	<b>91.89</b>	<b>0.24</b>	<b>4.25</b>	<b>3.41</b>	<b>24639</b>	

Solar Field	Month 19								Month 20							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641
Delivery	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>15.55</b>	<b>129.40</b>	<b>65.78</b>	<b>0.19</b>	<b>3.21</b>	<b>2.55</b>	<b>19552</b>	<b>Totals</b>	<b>15.55</b>	<b>129.40</b>	<b>65.78</b>	<b>0.19</b>	<b>3.21</b>	<b>2.55</b>	<b>19552</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 21								Month 22							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	765,908	652.81	6,328.51	646.89	8.25	68.01	43.29	844300	661,575	563.88	5,466.44	558.77	7.13	58.74	37.40	729288
Passenger	630,960	537.79	5,213.47	532.91	6.80	56.02	35.67	695540	578,380	492.97	4,779.01	488.50	6.23	51.36	32.69	637578
Buses	33,000	92.25	367.11	1,140.42	1.31	54.81	47.68	139275	30,800	86.10	342.64	1,064.39	1.22	51.15	44.50	129990
<b>Totals</b>	<b>1,282.85</b>	<b>11,909.09</b>	<b>2,320.22</b>	<b>16.36</b>	<b>178.84</b>	<b>126.64</b>	<b>1679115</b>	<b>Totals</b>	<b>1,142.95</b>	<b>10,588.09</b>	<b>2,111.66</b>	<b>14.58</b>	<b>161.25</b>	<b>114.59</b>	<b>1496857</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 21								Month 22							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 21								Month 22							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 21								Month 22							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 21								Month 22							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	11,880	10.13	98.16	10.03	0.13	1.05	0.67	13096	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186
Delivery	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054	2,200	5.32	37.25	41.65	0.06	1.54	1.31	6054
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>16.68</b>	<b>140.31</b>	<b>66.89</b>	<b>0.21</b>	<b>3.33</b>	<b>2.62</b>	<b>21007</b>	<b>Totals</b>	<b>14.43</b>	<b>118.49</b>	<b>64.66</b>	<b>0.18</b>	<b>3.09</b>	<b>2.47</b>	<b>18097</b>	

Solar Field	Month 21								Month 22							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	10,560	9.00	87.25	8.92	0.11	0.94	0.60	11641	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186
Delivery	2,640	6.39	44.70	49.98	0.07	1.85	1.58	7265	2,640	6.39	44.70	49.98	0.07	1.85	1.58	7265
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>16.62</b>	<b>136.85</b>	<b>74.11</b>	<b>0.20</b>	<b>3.52</b>	<b>2.81</b>	<b>20763</b>	<b>Totals</b>	<b>15.49</b>	<b>125.94</b>	<b>72.99</b>	<b>0.19</b>	<b>3.40</b>	<b>2.73</b>	<b>19308</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 23								Month 24							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	627,255	534.63	5,182.86	529.78	6.76	55.70	35.46	691456	467,095	398.12	3,859.49	394.51	5.03	41.47	26.40	514903
Passenger	538,120	458.66	4,446.35	454.50	5.80	47.78	30.42	593197	354,640	302.27	2,930.30	299.53	3.82	31.49	20.05	390938
Buses	28,600	79.95	318.16	988.36	1.14	47.50	41.32	120705	19,800	55.35	220.27	684.25	0.79	32.89	28.61	83565
<b>Totals</b>	<b>1,073.24</b>	<b>9,947.38</b>	<b>1,972.64</b>	<b>13.69</b>	<b>150.98</b>	<b>107.20</b>	<b>1405358</b>	<b>Totals</b>	<b>755.74</b>	<b>7,010.07</b>	<b>1,378.29</b>	<b>9.64</b>	<b>105.85</b>	<b>75.06</b>	<b>989406</b>	

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 23								Month 24							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	

Solar Field	Month 23								Month 24							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	

**Equipment - Onroad Trips**

Site Prep	Month 23								Month 24							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	

Power Block	Month 23								Month 24							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731
Delivery	2,640	6.39	44.70	49.98	0.07	1.85	1.58	7265	1,760	4.26	29.80	33.32	0.05	1.23	1.05	4843
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	440	1.23	4.89	15.21	0.02	0.73	0.64	1857
<b>Totals</b>	<b>14.37</b>	<b>115.04</b>	<b>71.88</b>	<b>0.17</b>	<b>3.28</b>	<b>2.66</b>	<b>17852</b>	<b>Totals</b>	<b>12.24</b>	<b>100.14</b>	<b>55.22</b>	<b>0.15</b>	<b>2.67</b>	<b>2.13</b>	<b>15431</b>	

Solar Field	Month 23								Month 24							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186	9,240	7.88	76.35	7.80	0.10	0.82	0.52	10186
Delivery	1,760	4.26	29.80	33.32	0.05	1.23	1.05	4843	880	2.13	14.90	16.66	0.02	0.62	0.53	2422
Heavy-Heavy Duty	440	1.23	4.89	15.21	0.02	0.73	0.64	1857	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>	<b>13.36</b>	<b>111.04</b>	<b>56.33</b>	<b>0.17</b>	<b>2.78</b>	<b>2.21</b>	<b>16886</b>	<b>Totals</b>	<b>10.00</b>	<b>91.25</b>	<b>24.47</b>	<b>0.12</b>	<b>1.44</b>	<b>1.05</b>	<b>12607</b>	

**Monthly Emissions**

**Offsite - Onroad Trips - Employee Commuting**

Employee	Month 25								Month 26							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	177,320	151.14	1,465.15	149.77	1.91	15.74	10.02	195469	105,820	90.19	874.36	89.38	1.14	9.40	5.98	116651
Passenger	123,420	105.19	1,019.79	104.24	1.33	10.96	6.98	136052	81,180	69.19	670.77	68.56	0.87	7.21	4.59	89489
Buses	6,600	18.45	73.42	228.08	0.26	10.96	9.54	27855	4,400	12.30	48.95	152.06	0.17	7.31	6.36	18570
<b>Totals</b>		<b>274.78</b>	<b>2,558.36</b>	<b>482.09</b>	<b>3.50</b>	<b>37.67</b>	<b>26.54</b>	<b>359376</b>	<b>Totals</b>	<b>171.69</b>	<b>1,594.08</b>	<b>310.00</b>	<b>2.19</b>	<b>23.91</b>	<b>16.93</b>	<b>224710</b>

**Offsite - Onroad Trips - Deliveries**

Power Block	Month 25								Month 26							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154	14,490	40.51	161.20	500.75	0.58	24.07	20.94	61154
<b>Totals</b>		<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>	<b>Totals</b>	<b>40.51</b>	<b>161.20</b>	<b>500.75</b>	<b>0.58</b>	<b>24.07</b>	<b>20.94</b>	<b>61154</b>

Solar Field	Month 25								Month 26							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635	14,130	39.50	157.19	488.31	0.56	23.47	20.42	59635
<b>Totals</b>		<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>	<b>Totals</b>	<b>39.50</b>	<b>157.19</b>	<b>488.31</b>	<b>0.56</b>	<b>23.47</b>	<b>20.42</b>	<b>59635</b>

**Equipment - Onroad Trips**

Site Prep	Month 25								Month 26							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Delivery	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
Heavy-Heavy Duty	880	2.46	9.79	30.41	0.03	1.46	1.27	3714	880	2.46	9.79	30.41	0.03	1.46	1.27	3714
<b>Totals</b>		<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>	<b>Totals</b>	<b>2.46</b>	<b>9.79</b>	<b>30.41</b>	<b>0.03</b>	<b>1.46</b>	<b>1.27</b>	<b>3714</b>

Power Block	Month 25								Month 26							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	5,280	4.50	43.63	4.46	0.06	0.47	0.30	5820
Delivery	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632	1,320	3.19	22.35	24.99	0.04	0.93	0.79	3632
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>9.94</b>	<b>87.79</b>	<b>31.68</b>	<b>0.12</b>	<b>1.63</b>	<b>1.24</b>	<b>12363</b>	<b>Totals</b>	<b>7.69</b>	<b>65.98</b>	<b>29.45</b>	<b>0.09</b>	<b>1.39</b>	<b>1.09</b>	<b>9453</b>

Solar Field	Month 25								Month 26							
	VMT	Emissions lbs							VMT	Emissions lbs						
Vehicle Type	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2	Total	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Passenger	7,920	6.75	65.44	6.69	0.09	0.70	0.45	8731	6,600	5.63	54.53	5.57	0.07	0.59	0.37	7276
Delivery	880	2.13	14.90	16.66	0.02	0.62	0.53	2422	440	1.06	7.45	8.33	0.01	0.31	0.26	1211
Heavy-Heavy Duty	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0
<b>Totals</b>		<b>8.88</b>	<b>80.34</b>	<b>23.35</b>	<b>0.11</b>	<b>1.32</b>	<b>0.97</b>	<b>11152</b>	<b>Totals</b>	<b>6.69</b>	<b>61.98</b>	<b>13.91</b>	<b>0.08</b>	<b>0.89</b>	<b>0.64</b>	<b>8486</b>



**Offsite - Employee - Onroad Emissions Summary**

**Summary of Total Onroad Emissions**

**Total Daily Emissions**

Month	Daily Emissions (lbs)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1	9.5	87.2	18.9	0.1	1.4	1.0	12455.0
2	13.8	127.7	26.4	0.2	2.0	1.4	18135.3
3	18.2	168.8	34.0	0.2	2.6	1.8	23892.7
4	23.2	215.6	42.1	0.3	3.2	2.3	30399.7
5	37.9	351.6	69.4	0.5	5.3	3.8	49637.3
6	48.4	450.3	86.1	0.6	6.7	4.7	63361.3
7	50.4	467.9	91.3	0.6	7.0	5.0	65977.0
8	53.1	492.1	97.1	0.7	7.4	5.3	69485.7
9	54.0	501.4	98.0	0.7	7.5	5.3	70720.3
10	56.0	521.0	100.0	0.7	7.8	5.5	73334.2
11	60.7	563.3	111.0	0.8	8.5	6.0	79524.7
12	60.5	561.0	110.8	0.8	8.5	6.0	79216.0
13	62.7	582.0	113.0	0.8	8.7	6.2	82027.0
14	64.1	594.0	117.5	0.8	9.0	6.4	83893.2
15	63.8	591.6	117.3	0.8	9.0	6.4	83584.5
16	63.6	589.3	117.1	0.8	9.0	6.4	83275.8
17	64.6	599.3	118.1	0.8	9.1	6.4	84609.7
18	64.0	593.7	117.5	0.8	9.0	6.4	83853.9
19	62.7	580.3	116.1	0.8	8.9	6.3	82072.9
20	59.4	550.1	109.7	0.8	8.4	6.0	77770.6
21	58.3	541.3	105.5	0.7	8.1	5.8	76323.4
22	52.0	481.3	96.0	0.7	7.3	5.2	68038.9
23	48.8	452.2	89.7	0.6	6.9	4.9	63879.9
24	34.4	318.6	62.6	0.4	4.8	3.4	44973.0
25	12.5	116.3	21.9	0.2	1.7	1.2	16335.3
26	7.8	72.5	14.1	0.1	1.1	0.8	10214.1
<b>Maximum Daily</b>	<b>64.6</b>	<b>599.3</b>	<b>118.1</b>	<b>0.8</b>	<b>9.1</b>	<b>6.4</b>	<b>84609.7</b>

**Total Monthly Emissions**

Month	Monthly Emissions (lbs)							Monthly Emissions (tons)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1	208.8	1918.5	416.7	2.7	30.8	22.2	274010.1	0.1	1.0	0.2	0.0	0.0	0.0	137
2	304.4	2810.1	581.3	3.9	43.8	31.3	398975.9	0.2	1.4	0.3	0.0	0.0	0.0	199
3	401.3	3714.4	747.3	5.1	56.9	40.5	525639.3	0.2	1.9	0.4	0.0	0.0	0.0	263
4	510.9	4742.3	925.9	6.5	71.3	50.5	668793.9	0.3	2.4	0.5	0.0	0.0	0.0	334
5	834.1	7734.1	1525.8	10.6	117.0	83.0	1092021.5	0.4	3.9	0.8	0.0	0.1	0.0	546
6	1065.4	9907.0	1895.0	13.6	147.2	103.9	1393948.8	0.5	5.0	0.9	0.0	0.1	0.1	697
7	1108.9	10293.2	2008.0	14.1	154.7	109.6	1451494.7	0.6	5.1	1.0	0.0	0.1	0.1	726
8	1167.6	10826.7	2136.0	14.9	163.8	116.2	1528684.6	0.6	5.4	1.1	0.0	0.1	0.1	764
9	1188.6	11030.3	2156.9	15.2	166.0	117.6	1555846.5	0.6	5.5	1.1	0.0	0.1	0.1	778
10	1233.0	11461.3	2200.9	15.7	170.6	120.6	1613352.2	0.6	5.7	1.1	0.0	0.1	0.1	807
11	1336.3	12391.9	2443.1	17.0	187.4	133.0	1749543.1	0.7	6.2	1.2	0.0	0.1	0.1	875
12	1331.0	12341.0	2437.9	17.0	186.9	132.6	1742752.7	0.7	6.2	1.2	0.0	0.1	0.1	871
13	1378.8	12804.5	2485.3	17.6	191.9	135.8	1804594.6	0.7	6.4	1.2	0.0	0.1	0.1	902
14	1409.6	13067.1	2585.6	18.0	198.1	140.6	1845649.4	0.7	6.5	1.3	0.0	0.1	0.1	923
15	1404.3	13016.2	2580.4	17.9	197.5	140.2	1838858.9	0.7	6.5	1.3	0.0	0.1	0.1	919
16	1399.0	12965.3	2575.2	17.8	197.0	139.9	1832068.4	0.7	6.5	1.3	0.0	0.1	0.1	916
17	1421.7	13185.3	2597.7	18.1	199.3	141.4	1861413.0	0.7	6.6	1.3	0.0	0.1	0.1	931
18	1408.9	13060.7	2585.0	18.0	198.0	140.5	1844786.0	0.7	6.5	1.3	0.0	0.1	0.1	922
19	1378.6	12767.0	2555.0	17.6	194.8	138.5	1805604.9	0.7	6.4	1.3	0.0	0.1	0.1	903
20	1306.4	12102.6	2413.5	16.7	184.3	131.0	1710953.8	0.7	6.1	1.2	0.0	0.1	0.1	855
21	1282.8	11909.1	2320.2	16.4	178.8	126.6	1679114.7	0.6	6.0	1.2	0.0	0.1	0.1	840
22	1143.0	10588.1	2111.7	14.6	161.3	114.6	1496856.6	0.6	5.3	1.1	0.0	0.1	0.1	748
23	1073.2	9947.4	1972.6	13.7	151.0	107.2	1405358.2	0.5	5.0	1.0	0.0	0.1	0.1	703
24	755.7	7010.1	1378.3	9.6	105.8	75.1	989406.1	0.4	3.5	0.7	0.0	0.1	0.0	495
25	274.8	2558.4	482.1	3.5	37.7	26.5	359376.2	0.1	1.3	0.2	0.0	0.0	0.0	180
26	171.7	1594.1	310.0	2.2	23.9	16.9	224709.7	0.1	0.8	0.2	0.0	0.0	0.0	112
<b>Maximum Monthly</b>	<b>1421.7</b>	<b>13185.3</b>	<b>2597.7</b>	<b>18.1</b>	<b>199.3</b>	<b>141.4</b>	<b>1861413</b>	<b>0.7</b>	<b>6.6</b>	<b>1.3</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>931</b>

**Total Annual Emissions**

Consecutive 12 months	Annual Emissions (lbs)							Annual Emissions (ton)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1 - 12	10690.2	99170.5	19474.8	136.4	1496.3	1060.9	13995063	5.35	49.59	9.74	0.07	0.75	0.53	6998
2 - 13	11860.3	110056.5	21543.4	151.3	1657.4	1174.5	15525648	5.93	55.03	10.77	0.08	0.83	0.59	7763
3 - 14	12965.4	120313.6	23547.7	165.4	1811.7	1283.8	16972321	6.48	60.16	11.77	0.08	0.91	0.64	8486
4 - 15	13968.5	129615.4	25380.9	178.2	1952.4	1383.6	18285541	6.98	64.81	12.69	0.09	0.98	0.69	9143
5 - 16	14856.6	137838.5	27030.2	189.5	2078.0	1472.9	19448815	7.43	68.92	13.52	0.09	1.04	0.74	9724
6 - 17	15444.3	143289.7	28102.1	197.0	2160.4	1531.3	20218207	7.72	71.64	14.05	0.10	1.08	0.77	10109
7 - 18	15787.7	146443.4	28792.1	201.4	2211.2	1567.9	20669044	7.89	73.22	14.40	0.10	1.11	0.78	10335
8 - 19	16057.4	148917.1	29339.0	204.8	2251.3	1596.9	21023154	8.03	74.46	14.67	0.10	1.13	0.80	10512
9 - 20	16196.3	150193.1	29616.5	206.6	2271.8	1611.7	21205423	8.10	75.10	14.81	0.10	1.14	0.81	10603
10 - 21	16290.5	151071.9	29779.9	207.8	2284.7	1620.7	21328692	8.15	75.54	14.89	0.10	1.14	0.81	10664
11 - 22	16200.5	150198.7	29690.6	206.7	2275.3	1614.7	21212196	8.10	75.10	14.85	0.10	1.14	0.81	10606
12 - 23	15937.4	147754.2	29220.2	203.3	2238.8	1589.0	20868011	7.97	73.88	14.61	0.10	1.12	0.79	10434
13 - 24	15362.2	142423.3	28160.6	196.0	2157.8	1531.4	20114664	7.68	71.21	14.08	0.10	1.08	0.77	10057
14 - 25	14258.1	132177.2	26157.4	181.9	2003.6	1422.2	18669446	7.13	66.09	13.08	0.09	1.00	0.71	9335
15 - 26	13020.2	120704.1	23881.8	166.1	1829.5	1298.5	17048507	6.51	60.35	11.94	0.08	0.91	0.65	8524
<b>Maximum Annual</b>	<b>16290.5</b>	<b>151071.9</b>	<b>29779.9</b>	<b>207.8</b>	<b>2284.7</b>	<b>1620.7</b>	<b>21328692</b>	<b>8.1</b>	<b>75.5</b>	<b>14.9</b>	<b>0.1</b>	<b>1.1</b>	<b>0.8</b>	<b>10664</b>

**Offsite - Deliveries - Onroad Emissions Summary**

**Summary of Total Onroad Emissions**

**Total Daily Emissions**

Month	Daily Emissions (lbs)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1	1.8	7.1	22.2	0.0	1.1	0.9	2710.7
2	1.8	7.1	22.2	0.0	1.1	0.9	2710.7
3	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
4	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
5	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
6	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
7	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
8	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
9	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
10	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
11	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
12	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
13	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
14	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
15	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
16	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
17	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
18	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
19	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
20	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
21	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
22	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
23	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
24	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
25	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
26	3.6	14.5	45.0	0.1	2.2	1.9	5490.4
<b>Maximum Daily</b>	<b>3.6</b>	<b>14.5</b>	<b>45.0</b>	<b>0.1</b>	<b>2.2</b>	<b>1.9</b>	<b>5490.4</b>

**Total Monthly Emissions**

Month	Monthly Emissions (lbs)							Monthly Emissions (tons)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1	39.5	157.2	488.3	0.6	23.5	20.4	59635.1	0.0	0.1	0.2	0.0	0.0	0.0	30
2	39.5	157.2	488.3	0.6	23.5	20.4	59635.1	0.0	0.1	0.2	0.0	0.0	0.0	30
3	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
4	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
5	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
6	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
7	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
8	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
9	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
10	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
11	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
12	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
13	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
14	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
15	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
16	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
17	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
18	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
19	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
20	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
21	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
22	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
23	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
24	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
25	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
26	80.0	318.4	989.1	1.1	47.5	41.4	120789.5	0.0	0.2	0.5	0.0	0.0	0.0	60
<b>Maximum Monthly</b>	<b>80.0</b>	<b>318.4</b>	<b>989.1</b>	<b>1.1</b>	<b>47.5</b>	<b>41.4</b>	<b>120789</b>	<b>0.0</b>	<b>0.2</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>60</b>

**Total Annual Emissions**

Consecutive 12 months	Annual Emissions (lbs)							Annual Emissions (ton)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1 - 12	879.1	3498.3	10867.1	12.5	522.3	454.4	1327165	0.44	1.75	5.43	0.01	0.26	0.23	664
2 - 13	919.6	3659.4	11367.9	13.1	546.3	475.3	1388319	0.46	1.83	5.68	0.01	0.27	0.24	694
3 - 14	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
4 - 15	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
5 - 16	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
6 - 17	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
7 - 18	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
8 - 19	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
9 - 20	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
10 - 21	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
11 - 22	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
12 - 23	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
13 - 24	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
14 - 25	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
15 - 26	960.1	3820.6	11868.6	13.6	570.4	496.2	1449474	0.48	1.91	5.93	0.01	0.29	0.25	725
<b>Maximum Annual</b>	<b>960.1</b>	<b>3820.6</b>	<b>11868.6</b>	<b>13.6</b>	<b>570.4</b>	<b>496.2</b>	<b>1449474</b>	<b>0.5</b>	<b>1.9</b>	<b>5.9</b>	<b>0.0</b>	<b>0.3</b>	<b>0.2</b>	<b>725</b>



**Equipment - Onroad Emissions Summary**

**Summary of Total Onroad Emissions**

**Total Daily Emissions**

Month	Daily Emissions (lbs)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1	0.7	5.8	3.3	0.0	0.2	0.1	918.1
2	0.8	6.8	3.4	0.0	0.2	0.1	1050.4
3	0.9	7.0	4.1	0.0	0.2	0.2	1134.8
4	1.0	8.0	4.2	0.0	0.2	0.2	1267.1
5	1.3	11.0	5.5	0.0	0.3	0.2	1696.7
6	1.3	10.7	4.8	0.0	0.2	0.2	1612.3
7	1.1	8.3	5.9	0.0	0.3	0.2	1424.8
8	1.3	10.0	6.5	0.0	0.3	0.3	1637.8
9	1.3	10.5	6.5	0.0	0.3	0.3	1703.9
10	1.3	10.5	6.5	0.0	0.3	0.3	1703.9
11	1.6	12.8	8.4	0.0	0.4	0.3	2085.7
12	1.6	12.5	7.7	0.0	0.4	0.3	2001.3
13	1.6	12.5	7.7	0.0	0.4	0.3	2001.3
14	1.6	12.5	7.7	0.0	0.4	0.3	2001.3
15	1.7	13.2	8.5	0.0	0.4	0.3	2111.4
16	1.7	13.6	8.9	0.0	0.4	0.3	2166.4
17	1.7	13.6	8.9	0.0	0.4	0.3	2166.4
18	1.8	14.1	8.9	0.0	0.4	0.3	2232.5
19	1.8	14.1	8.9	0.0	0.4	0.3	2232.5
20	1.7	13.7	8.5	0.0	0.4	0.3	2177.5
21	1.6	13.0	7.8	0.0	0.4	0.3	2067.4
22	1.5	11.6	7.6	0.0	0.4	0.3	1869.0
23	1.4	10.7	7.2	0.0	0.3	0.3	1747.8
24	1.1	9.1	5.0	0.0	0.3	0.2	1443.3
25	1.0	8.1	3.9	0.0	0.2	0.2	1237.7
26	0.8	6.3	3.4	0.0	0.2	0.1	984.2
<b>Maximum Daily</b>	<b>1.8</b>	<b>14.1</b>	<b>8.9</b>	<b>0.0</b>	<b>0.4</b>	<b>0.3</b>	<b>2232.5</b>

**Total Monthly Emissions**

Month	Monthly Emissions (lbs)							Monthly Emissions (tons)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1	15.7	126.8	72.7	0.2	3.6	2.9	20198.0	0.0	0.1	0.0	0.0	0.0	0.0	10
2	18.0	148.7	74.9	0.2	3.9	3.1	23108.2	0.0	0.1	0.0	0.0	0.0	0.0	12
3	19.2	153.6	90.1	0.2	4.6	3.7	24965.2	0.0	0.1	0.0	0.0	0.0	0.0	12
4	21.4	175.4	92.3	0.3	4.8	3.9	27875.4	0.0	0.1	0.0	0.0	0.0	0.0	14
5	29.1	241.3	121.8	0.4	6.2	4.9	37328.2	0.0	0.1	0.1	0.0	0.0	0.0	19
6	27.9	236.5	106.6	0.3	5.5	4.3	35471.2	0.0	0.1	0.1	0.0	0.0	0.0	18
7	23.8	181.7	129.9	0.3	6.5	5.3	31345.1	0.0	0.1	0.1	0.0	0.0	0.0	16
8	28.1	221.0	142.0	0.4	6.9	5.6	36030.7	0.0	0.1	0.1	0.0	0.0	0.0	18
9	29.2	231.9	143.1	0.4	7.0	5.7	37485.8	0.0	0.1	0.1	0.0	0.0	0.0	19
10	29.2	231.9	143.1	0.4	7.0	5.7	37485.8	0.0	0.1	0.1	0.0	0.0	0.0	19
11	35.9	280.9	185.5	0.4	8.9	7.3	45885.4	0.0	0.1	0.1	0.0	0.0	0.0	23
12	34.6	276.0	170.3	0.4	8.2	6.6	44028.4	0.0	0.1	0.1	0.0	0.0	0.0	22
13	34.6	276.0	170.3	0.4	8.2	6.6	44028.4	0.0	0.1	0.1	0.0	0.0	0.0	22
14	34.6	276.0	170.3	0.4	8.2	6.6	44028.4	0.0	0.1	0.1	0.0	0.0	0.0	22
15	36.8	290.9	187.0	0.5	8.8	7.2	46450.0	0.0	0.1	0.1	0.0	0.0	0.0	23
16	37.8	298.4	195.3	0.5	9.1	7.4	47660.8	0.0	0.1	0.1	0.0	0.0	0.0	24
17	37.8	298.4	195.3	0.5	9.1	7.4	47660.8	0.0	0.1	0.1	0.0	0.0	0.0	24
18	38.9	309.3	196.4	0.5	9.2	7.5	49115.9	0.0	0.2	0.1	0.0	0.0	0.0	25
19	38.9	309.3	196.4	0.5	9.2	7.5	49115.9	0.0	0.2	0.1	0.0	0.0	0.0	25
20	37.9	301.8	188.1	0.5	8.9	7.2	47905.1	0.0	0.2	0.1	0.0	0.0	0.0	24
21	35.8	286.9	171.4	0.4	8.3	6.7	45483.5	0.0	0.1	0.1	0.0	0.0	0.0	23
22	32.4	254.2	168.1	0.4	8.0	6.5	41118.2	0.0	0.1	0.1	0.0	0.0	0.0	21
23	30.2	235.9	158.6	0.4	7.5	6.1	38452.3	0.0	0.1	0.1	0.0	0.0	0.0	19
24	24.7	201.2	110.1	0.3	5.6	4.5	31752.1	0.0	0.1	0.1	0.0	0.0	0.0	16
25	21.3	177.9	85.4	0.3	4.4	3.5	27229.2	0.0	0.1	0.0	0.0	0.0	0.0	14
26	16.8	137.8	73.8	0.2	3.8	3.0	21653.1	0.0	0.1	0.0	0.0	0.0	0.0	11
<b>Maximum Monthly</b>	<b>38.9</b>	<b>309.3</b>	<b>196.4</b>	<b>0.5</b>	<b>9.2</b>	<b>7.5</b>	<b>49116</b>	<b>0.0</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25</b>

**Total Annual Emissions**

Consecutive 12 months	Annual Emissions (lbs)							Annual Emissions (ton)						
	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
1 - 12	312.1	2505.6	1472.1	3.9	73.2	59.0	401208	0.16	1.25	0.74	0.00	0.04	0.03	201
2 - 13	331.1	2654.8	1569.8	4.1	77.8	62.7	425038	0.17	1.33	0.78	0.00	0.04	0.03	213
3 - 14	347.7	2782.2	1665.2	4.3	82.1	66.2	445958	0.17	1.39	0.83	0.00	0.04	0.03	223
4 - 15	365.3	2919.6	1762.1	4.6	86.3	69.7	467443	0.18	1.46	0.88	0.00	0.04	0.03	234
5 - 16	381.6	3042.6	1865.1	4.7	90.6	73.2	487228	0.19	1.52	0.93	0.00	0.05	0.04	244
6 - 17	390.3	3099.7	1938.6	4.9	93.5	75.7	497561	0.20	1.55	0.97	0.00	0.05	0.04	249
7 - 18	401.4	3172.5	2028.4	5.0	97.2	78.9	511206	0.20	1.59	1.01	0.00	0.05	0.04	256
8 - 19	416.5	3300.1	2094.9	5.2	100.0	81.1	528977	0.21	1.65	1.05	0.00	0.05	0.04	264
9 - 20	426.3	3381.0	2141.0	5.3	102.0	82.7	540851	0.21	1.69	1.07	0.00	0.05	0.04	270
10 - 21	432.8	3436.1	2169.3	5.4	103.3	83.7	548849	0.22	1.72	1.08	0.00	0.05	0.04	274
11 - 22	436.0	3458.4	2194.3	5.4	104.2	84.5	552481	0.22	1.73	1.10	0.00	0.05	0.04	276
12 - 23	430.4	3413.3	2167.4	5.3	102.8	83.4	545048	0.22	1.71	1.08	0.00	0.05	0.04	273
13 - 24	420.4	3338.5	2107.2	5.2	100.2	81.2	532772	0.21	1.67	1.05	0.00	0.05	0.04	266
14 - 25	407.1	3240.4	2022.4	5.0	96.4	78.1	515972	0.20	1.62	1.01	0.00	0.05	0.04	258
15 - 26	389.3	3102.1	1925.8	4.8	92.0	74.4	493597	0.19	1.55	0.96	0.00	0.05	0.04	247
<b>Maximum Annual</b>	<b>436.0</b>	<b>3458.4</b>	<b>2194.3</b>	<b>5.4</b>	<b>104.2</b>	<b>84.5</b>	<b>552481</b>	<b>0.2</b>	<b>1.7</b>	<b>1.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>276</b>





Offroad Equipment Emission

Site Prep

Table with columns for Site Prep equipment (HP, Hours/day, Number, Daily Emissions lbs by pollutant, Total Emissions lbs, Days) for Month 5 and Month 6.

Power Block

Table with columns for Power Block equipment (HP, Hours/day, Number, Daily Emissions lbs by pollutant, Total Emissions lbs, Days) for Month 5 and Month 6.

Solar Field

Table with columns for Solar Field equipment (HP, Hours/day, Number, Daily Emissions lbs by pollutant, Total Emissions lbs, Days) for Month 5 and Month 6.

Total Offroad Emissions

Summary table showing Total Offroad Emissions for Month 5 and Month 6, including Daily and Total Emissions lbs by pollutant.



Offroad Equipment Emission

Site Prep

Table with 5 columns: Equipment Name, Category, HP, Fuel Type, Hours/day. Lists equipment like 140 H MOTOR GRADER, 623G SCRAPER, etc.

Power Block

Large table showing emissions for various equipment over Month 9 and Month 10. Columns include equipment name, HP, Hours/day, Daily Emissions (ROG, CO, NOx, SOx, PM, CO2), and Total Emissions.

Solar Field

Table showing emissions for solar field equipment over Month 9 and Month 10. Columns include equipment name, HP, Hours/day, Daily Emissions (ROG, CO, NOx, SOx, PM, CO2), and Total Emissions.

Total Offroad Emissions

Summary table showing total emissions for Month 9 and Month 10 across all equipment. Columns include Daily Emissions and Total Emissions for ROG, CO, NOx, SOx, PM, and CO2.







Offroad Equipment Emission

Site Prep

		HP		Hours/day
140 H MOTOR GRADER	GRADING EQUIPMENT	174	Diesel	8
623G SCRAPER	GRADING EQUIPMENT	313	Diesel	7
631G SCRAPER	GRADING EQUIPMENT	475	Diesel	7
CP-533E COMPACTOR	GRADING EQUIPMENT	114	Diesel	8
631 WATER PULL (10K)	GRADING EQUIPMENT	223	Diesel	6
D6 DOZERS	GRADING EQUIPMENT	144	Diesel	6
414E INDUSTRIAL LOADER	GRADING EQUIPMENT	89	Diesel	6

Power Block

		Month 15														Month 16																
		HP		Hours/day	Number	Daily Emissions lbs						Days	Total Emissions lbs						Number	Daily Emissions lbs						Days	Total Emissions lbs					
						ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2
ROUGH TERRAIN FORKLIFT	LULL	85	Diesel	8	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
TRACTOR (excavator)	EXCAVATOR	80	Diesel	6	3	2.04	7.18	8.73	0.01	0.82	825	22	44.87	158.05	192.11	0.22	18.09	18156	3	2.04	7.18	8.73	0.01	0.82	825	22	44.87	158.05	192.11	0.22	18.09	18156
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	1	0.81	3.25	6.40	0.01	0.35	592	22	17.74	71.56	140.80	0.15	7.75	13026	1	0.81	3.25	6.40	0.01	0.35	592	22	17.74	71.56	140.80	0.15	7.75	13026
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	2	1.38	5.42	11.23	0.01	0.60	1046	22	30.45	119.33	247.17	0.26	13.10	23003	2	1.38	5.42	11.23	0.01	0.60	1046	22	30.45	119.33	247.17	0.26	13.10	23003
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	5	2	1.15	4.52	9.36	0.01	0.50	871	22	25.38	99.44	205.97	0.22	10.91	19169	2	1.15	4.52	9.36	0.01	0.50	871	22	25.38	99.44	205.97	0.22	10.91	19169
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (250 hp)	FIXED JIB, CRAWLER	250	Diesel	5	2	1.17	3.28	11.52	0.01	0.43	1122	22	25.76	72.07	253.49	0.28	9.42	24675	2	1.17	3.28	11.52	0.01	0.43	1122	22	25.76	72.07	253.49	0.28	9.42	24675
CRANE (350 hp)	FIXED JIB, CRAWLER	350	Diesel	4	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	1	0.55	1.39	1.47	0.00	0.14	146	22	12.04	30.60	32.37	0.04	2.99	3204	1	0.55	1.39	1.47	0.00	0.14	146	22	12.04	30.60	32.37	0.04	2.99	3204
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	7	3	1.44	3.65	3.86	0.00	0.36	382	22	31.61	80.32	84.98	0.11	7.84	8409	4	1.92	4.87	5.15	0.01	0.47	510	22	42.15	107.09	113.31	0.14	10.45	11213
CONCRETE (8 hp)	CONCRETE MIXER	8	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CONCRETE (20 hp)	CONCRETE MIXER	20	Diesel	6	4	0.47	1.54	2.49	0.00	0.15	287	22	10.42	33.85	54.73	0.08	3.28	6303	2	0.24	0.77	1.24	0.00	0.07	143	22	5.21	16.92	27.37	0.04	1.64	3152
CONCRETE (2.4 hp)	VIBRATOR GASOLINE	2.4	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CONCRETE (5 hp)	POWER TROWEL,4 BLADE	5	Gas	7	1	3.58	12.26	0.15	0.00	0.02	33	22	78.77	269.70	3.26	0.01	0.42	729	1	3.58	12.26	0.15	0.00	0.02	33	22	78.77	269.70	3.26	0.01	0.42	729
CONCRETE (5 hp)	SITE DUMPER	5	Diesel	7	1	0.02	0.09	0.11	0.00	0.01	15	22	0.39	1.99	2.48	0.01	0.13	324	1	0.02	0.09	0.11	0.00	0.01	15	22	0.39	1.99	2.48	0.01	0.13	324
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	5	0.96	2.54	4.27	0.01	0.29	451	22	21.07	55.97	94.05	0.13	6.38	9932	5	0.96	2.54	4.27	0.01	0.29	451	22	21.07	55.97	94.05	0.13	6.38	9932
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	7	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038
PIPING EQUIPMENT (15 hp)	CUTTING & BEVELLING	15	Diesel	6	1	0.07	0.37	0.44	0.00	0.02	61	22	1.55	8.15	9.73	0.02	0.38	1334	1	0.07	0.37	0.44	0.00	0.02	61	22	1.55	8.15	9.73	0.02	0.38	1334
PUMP	DIAPHRAGM	10	Gas	8	1	8.18	28.02	0.34	0.00	0.04	76	22	180.04	616.47	7.45	0.01	0.97	1666	1	8.18	28.02	0.34	0.00	0.04	76	22	180.04	616.47	7.45	0.01	0.97	1666
ELECTRIC EQUIP/TOOL	GENERATOR SET	50	Gas	8	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331
AERIAL LIFT	SCISSOR LIFT	50	Diesel	4	6	1.69	4.52	4.68	0.01	0.43	471	22	37.28	99.47	103.05	0.13	9.47	10356	6	1.69	4.52	4.68	0.01	0.43	471	22	37.28	99.47	103.05	0.13	9.47	10356
ASPHALT EQUIPMENT	PAVER/FINISHER	100	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.0																	



Offroad Equipment Emission

Site Prep

		HP		Hours/day
140 H MOTOR GRADER	GRADING EQUIPMENT	174	Diesel	8
623G SCRAPER	GRADING EQUIPMENT	313	Diesel	7
631G SCRAPER	GRADING EQUIPMENT	475	Diesel	7
CP-533E COMPACTOR	GRADING EQUIPMENT	114	Diesel	8
631 WATER PULL (10K)	GRADING EQUIPMENT	223	Diesel	6
D6 DOZERS	GRADING EQUIPMENT	144	Diesel	6
414E INDUSTRIAL LOADER	GRADING EQUIPMENT	89	Diesel	6

Power Block

		Month 19														Month 20																
		HP		Hours/day	Number	Daily Emissions lbs						Days	Total Emissions lbs						Number	Daily Emissions lbs						Days	Total Emissions lbs					
						ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2
ROUGH TERRAIN FORKLIFT	LULL	85	Diesel	8	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
TRACTOR (excavator)	EXCAVATOR	80	Diesel	6	3	2.04	7.18	8.73	0.01	0.82	825	22	44.87	158.05	192.11	0.22	18.09	18156	2	1.36	4.79	5.82	0.01	0.55	550	22	29.91	105.37	128.07	0.15	12.06	12104
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	2	1.38	5.42	11.23	0.01	0.60	1046	22	30.45	119.33	247.17	0.26	13.10	23003	2	1.38	5.42	11.23	0.01	0.60	1046	22	30.45	119.33	247.17	0.26	13.10	23003
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	5	1	0.58	2.26	4.68	0.00	0.25	436	22	12.69	49.72	102.99	0.11	5.46	9584	1	0.58	2.26	4.68	0.00	0.25	436	22	12.69	49.72	102.99	0.11	5.46	9584
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (250 hp)	FIXED JIB, CRAWLER	250	Diesel	5	2	1.17	3.28	11.52	0.01	0.43	1122	22	25.76	72.07	253.49	0.28	9.42	24675	2	1.17	3.28	11.52	0.01	0.43	1122	22	25.76	72.07	253.49	0.28	9.42	24675
CRANE (350 hp)	FIXED JIB, CRAWLER	350	Diesel	4	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	2	1.09	2.78	2.94	0.00	0.27	291	22	24.08	61.19	64.75	0.08	5.97	6407	2	1.09	2.78	2.94	0.00	0.27	291	22	24.08	61.19	64.75	0.08	5.97	6407
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	7	4	1.92	4.87	5.15	0.01	0.47	510	22	42.15	107.09	113.31	0.14	10.45	11213	3	1.44	3.65	3.86	0.00	0.36	382	22	31.61	80.32	84.98	0.11	7.84	8409
CONCRETE (8 hp)	CONCRETE MIXER	8	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (20 hp)	CONCRETE MIXER	20	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (2.4 hp)	VIBRATOR GASOLINE	2.4	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (5 hp)	POWER TROWEL,4 BLADE	5	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (5 hp)	SITE DUMPER	5	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	5	0.96	2.54	4.27	0.01	0.29	451	22	21.07	55.97	94.05	0.13	6.38	9932	5	0.96	2.54	4.27	0.01	0.29	451	22	21.07	55.97	94.05	0.13	6.38	9932
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	7	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038
PIPING EQUIPMENT (15 hp)	CUTTING & BEVELLING	15	Diesel	6	1	0.07	0.37	0.44	0.00	0.02	61	22	1.55	8.15	9.73	0.02	0.38	1334	1	0.07	0.37	0.44	0.00	0.02	61	22	1.55	8.15	9.73	0.02	0.38	1334
PUMP	DIAPHRAGM	10	Gas	8	1	8.18	28.02	0.34	0.00	0.04	76	22	180.04	616.47	7.45	0.01	0.97	1666	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
ELECTRIC EQUIP/TOOL	GENERATOR SET	50	Gas	8	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331
AERIAL LIFT	SCISSOR LIFT	50	Diesel	4	6	1.69	4.52	4.68	0.01	0.43	471	22	37.28	99.47	103.05	0.13	9.47	10356	5	1.41	3.77	3.90	0.01	0.36	392	22	31.07	82.89	85.87	0.11	7.89	8630
ASPHALT EQUIPMENT	PAVER/FINISHER	100	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
ASPHALT EQUIPMENT	SPREADER TRAILER, GAS	100	Gas	7	0																											

Offroad Equipment Emission

Site Prep

		HP		Hours/day
140 H MOTOR GRADER	GRADING EQUIPMENT	174	Diesel	8
623G SCRAPER	GRADING EQUIPMENT	313	Diesel	7
631G SCRAPER	GRADING EQUIPMENT	475	Diesel	7
CP-533E COMPACTOR	GRADING EQUIPMENT	114	Diesel	8
631 WATER PULL (10K)	GRADING EQUIPMENT	223	Diesel	6
D6 DOZERS	GRADING EQUIPMENT	144	Diesel	6
414E INDUSTRIAL LOADER	GRADING EQUIPMENT	89	Diesel	6

Power Block

		Month 21													Month 22																	
		HP		Hours/day	Number	Daily Emissions lbs						Days	Total Emissions lbs						Number	Daily Emissions lbs						Days	Total Emissions lbs					
						ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2
ROUGH TERRAIN FORKLIFT	LULL	85	Diesel	8	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
TRACTOR (excavator)	EXCAVATOR	80	Diesel	6	2	1.36	4.79	5.82	0.01	0.55	550	22	29.91	105.37	128.07	0.15	12.06	12104	2	1.36	4.79	5.82	0.01	0.55	550	22	29.91	105.37	128.07	0.15	12.06	12104
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	2	1.38	5.42	11.23	0.01	0.60	1046	22	30.45	119.33	247.17	0.26	13.10	23003	2	1.38	5.42	11.23	0.01	0.60	1046	22	30.45	119.33	247.17	0.26	13.10	23003
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	5	1	0.58	2.26	4.68	0.00	0.25	436	22	12.69	49.72	102.99	0.11	5.46	9584	1	0.58	2.26	4.68	0.00	0.25	436	22	12.69	49.72	102.99	0.11	5.46	9584
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CRANE (250 hp)	FIXED JIB, CRAWLER	250	Diesel	5	2	1.17	3.28	11.52	0.01	0.43	1122	22	25.76	72.07	253.49	0.28	9.42	24675	1	0.59	1.64	5.76	0.01	0.21	561	22	12.88	36.04	126.74	0.14	4.71	12337
CRANE (350 hp)	FIXED JIB, CRAWLER	350	Diesel	4	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	2	1.09	2.78	2.94	0.00	0.27	291	22	24.08	61.19	64.75	0.08	5.97	6407	2	1.09	2.78	2.94	0.00	0.27	291	22	24.08	61.19	64.75	0.08	5.97	6407
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	7	3	1.44	3.65	3.86	0.00	0.36	382	22	31.61	80.32	84.98	0.11	7.84	8409	3	1.44	3.65	3.86	0.00	0.36	382	22	31.61	80.32	84.98	0.11	7.84	8409
CONCRETE (8 hp)	CONCRETE MIXER	8	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (20 hp)	CONCRETE MIXER	20	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (2.4 hp)	VIBRATOR GASOLINE	2.4	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (5 hp)	POWER TROWEL,4 BLADE	5	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
CONCRETE (5 hp)	SITE DUMPER	5	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	5	0.96	2.54	4.27	0.01	0.29	451	22	21.07	55.97	94.05	0.13	6.38	9932	5	0.96	2.54	4.27	0.01	0.29	451	22	21.07	55.97	94.05	0.13	6.38	9932
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	8	1	0.06	0.33	0.39	0.00	0.02	54	22	1.38	7.24	8.65	0.02	0.34	1186	1	0.06	0.33	0.39	0.00	0.02	54	22	1.38	7.24	8.65	0.02	0.34	1186
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	7	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038
PIPING EQUIPMENT (15 hp)	CUTTING & BEVELLING	15	Diesel	6	1	0.07	0.37	0.44	0.00	0.02	61	22	1.55	8.15	9.73	0.02	0.38	1334	1	0.07	0.37	0.44	0.00	0.02	61	22	1.55	8.15	9.73	0.02	0.38	1334
PUMP	DIAPHRAGM	10	Gas	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
ELECTRIC EQUIP/TOOL	GENERATOR SET	50	Gas	8	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331
AERIAL LIFT	SCISSOR LIFT	50	Diesel	4	5	1.41	3.77	3.90	0.01	0.36	392	22	31.07	82.89	85.87	0.11	7.89	8630	4	1.13	3.01	3.12	0.00	0.29	314	22	24.86	66.31	68.70	0.09	6.32	6904
ASPHALT EQUIPMENT	PAVER/FINISHER	100	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	
ASPHALT EQUIPMENT	SPREADER TRAILER,GAS	100	Gas	7	0																											



Offroad Equipment Emission

Site Prep

		HP		Hours/day
140 H MOTOR GRADER	GRADING EQUIPMENT	174	Diesel	8
623G SCRAPER	GRADING EQUIPMENT	313	Diesel	7
631G SCRAPER	GRADING EQUIPMENT	475	Diesel	7
CP-533E COMPACTOR	GRADING EQUIPMENT	114	Diesel	8
631 WATER PULL (10K)	GRADING EQUIPMENT	223	Diesel	6
D6 DOZERS	GRADING EQUIPMENT	144	Diesel	6
414E INDUSTRIAL LOADER	GRADING EQUIPMENT	89	Diesel	6

Power Block

		Month 25											Month 26																			
		HP		Hours/day	Number	Daily Emissions lbs						Days	Total Emissions lbs						Number	Daily Emissions lbs						Days	Total Emissions lbs					
						ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2		ROG	CO	NOx	SOx	PM	CO2
ROUGH TERRAIN FORKLIFT	LULL	85	Diesel	8	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425	3	3.09	10.14	12.46	0.01	1.19	1156	22	68.00	223.09	274.15	0.31	26.12	25425
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
TRACTOR	TRUCK TRACTOR	80	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
TRACTOR (excavator)	EXCAVATOR	80	Diesel	6	1	0.68	2.39	2.91	0.00	0.27	275	22	14.96	52.68	64.04	0.07	6.03	6052	1	0.68	2.39	2.91	0.00	0.27	275	22	14.96	52.68	64.04	0.07	6.03	6052
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (185 hp)	TELESCOPIC JIB, SELF	185	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	1	0.69	2.71	5.62	0.01	0.30	523	22	15.23	59.66	123.58	0.13	6.55	11501	1	0.69	2.71	5.62	0.01	0.30	523	22	15.23	59.66	123.58	0.13	6.55	11501
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	TELESCOPIC JIB	191	Diesel	5	1	0.58	2.26	4.68	0.00	0.25	436	22	12.69	49.72	102.99	0.11	5.46	9584	1	0.58	2.26	4.68	0.00	0.25	436	22	12.69	49.72	102.99	0.11	5.46	9584
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	1	0.81	3.16	6.55	0.01	0.35	610	22	17.76	69.61	144.18	0.15	7.64	13418	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (191 hp)	FIXED JIB, CRAWLER	191	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (250 hp)	FIXED JIB, CRAWLER	250	Diesel	5	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CRANE (350 hp)	FIXED JIB, CRAWLER	350	Diesel	4	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PILING	DRILLING FRAME	218	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	8	1	0.55	1.39	1.47	0.00	0.14	146	22	12.04	30.60	32.37	0.04	2.99	3204	1	0.55	1.39	1.47	0.00	0.14	146	22	12.04	30.60	32.37	0.04	2.99	3204
COMPRESSOR (37 hp)	DIESEL(ROTARY SCREW)	37	Diesel	7	1	0.48	1.22	1.29	0.00	0.12	127	22	10.54	26.77	28.33	0.04	2.61	2803	1	0.48	1.22	1.29	0.00	0.12	127	22	10.54	26.77	28.33	0.04	2.61	2803
CONCRETE (8 hp)	CONCRETE MIXER	8	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CONCRETE (20 hp)	CONCRETE MIXER	20	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CONCRETE (2.4 hp)	VIBRATOR GASOLINE	2.4	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CONCRETE (5 hp)	POWER TROWEL,4 BLADE	5	Gas	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
CONCRETE (5 hp)	SITE DUMPER	5	Diesel	7	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
WELDING EQUIPMENT	PORTABLE DIESEL	25	Diesel	8	2	0.38	1.02	1.71	0.00	0.12	181	22	8.43	22.39	37.62	0.05	2.55	3973	2	0.38	1.02	1.71	0.00	0.12	181	22	8.43	22.39	37.62	0.05	2.55	3973
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PIPING EQUIPMENT (10 hp)	CUTTING & BEVELLING	10	Diesel	7	1	0.05	0.29	0.34	0.00	0.01	47	22	1.21	6.34	7.56	0.02	0.30	1038	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PIPING EQUIPMENT (15 hp)	CUTTING & BEVELLING	15	Diesel	6	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
PUMP	DIAPHRAGM	10	Gas	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0
ELECTRIC EQUIP/TOOL	GENERATOR SET	50	Gas	8	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331	1	40.92	140.11	1.69	0.00	0.22	379	22	900.18	3082.33	37.25	0.07	4.85	8331
AERIAL LIFT	SCISSOR LIFT	50	Diesel	4	3	0.85	2.26	2.34	0.00	0.22	235	22	18.64	49.73	51.52	0.07	4.74	5178	2	0.56	1.51	1.56	0.00	0.14	157	22	12.43	33.16	34.35	0.04	3.16	3452
ASPHALT EQUIPMENT	PAVER/FINISHER	100	Diesel	8	0	0.00	0.00	0.00	0.00	0.00	0	22	0.00	0.00	0.00	0.00	0.00	0	1	1.24	3.81	5.98	0.01	0.55	459	22	27.23					

**Summary of Total Offroad Emissions**

**Total Daily Emissions**

Month	Daily Emissions (lbs)					
	ROG	CO	NOx	SOx	PM	CO2
1	53.9	204.7	362.6	0.4	16.3	35311
2	61.3	229.1	423.5	0.4	19.2	40990
3	113.7	407.7	437.9	0.4	20.5	42677
4	143.2	510.4	569.3	0.6	29.5	54940
5	153.6	544.1	588.9	0.6	31.2	56922
6	240.4	841.0	598.4	0.6	32.1	58331
7	202.6	693.0	259.1	0.3	17.4	25283
8	194.0	662.9	195.8	0.2	14.8	18749
9	200.0	682.3	228.4	0.3	17.0	21839
10	107.9	366.0	251.3	0.3	18.1	23513
11	104.4	353.8	251.1	0.3	18.1	23480
12	98.2	332.8	250.9	0.3	18.1	23423
13	100.7	339.6	260.1	0.3	18.9	24306
14	100.7	339.6	260.1	0.3	18.9	24306
15	100.8	339.9	260.4	0.3	18.9	24353
16	100.4	338.1	255.8	0.3	18.7	23902
17	99.0	332.6	244.7	0.3	18.1	22874
18	98.0	329.7	240.0	0.3	17.8	22355
19	95.0	318.8	241.3	0.3	17.9	22467
20	82.2	276.2	223.4	0.2	16.2	20763
21	124.3	421.2	234.8	0.3	16.9	22067
22	76.2	258.0	192.2	0.2	13.3	18486
23	77.6	265.3	207.0	0.2	14.4	19575
24	71.4	243.8	173.0	0.2	11.8	16599
25	69.4	237.4	160.6	0.2	11.3	15190
26	133.2	453.9	113.7	0.1	8.6	11055
<b>Maximum Daily</b>	<b>240.4</b>	<b>841.0</b>	<b>598.4</b>	<b>0.6</b>	<b>32.1</b>	<b>58331</b>
<b>Maximum Month</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>6</b>

**Total Monthly Emissions**

Month	Monthly Emissions (lbs)						Monthly Emissions (tons)					
	ROG	CO	NOx	SOx	PM	CO2	ROG	CO	NOx	SOx	PM	CO2
1	1185.3	4503.3	7976.7	8.0	359.3	776834	0.6	2.3	4.0	0.0	0.2	388
2	1349.3	5040.8	9316.1	9.3	421.5	901773	0.7	2.5	4.7	0.0	0.2	451
3	2501.2	8969.3	9634.1	9.8	450.1	938902	1.3	4.5	4.8	0.0	0.2	469
4	3150.2	11229.7	12525.4	12.9	648.9	1208684	1.6	5.6	6.3	0.0	0.3	604
5	3379.4	11970.9	12955.1	13.4	686.7	1252291	1.7	6.0	6.5	0.0	0.3	626
6	5288.0	18502.3	13165.0	13.7	707.3	1283276	2.6	9.3	6.6	0.0	0.4	642
7	4457.9	15246.0	5700.5	6.3	383.8	556225	2.2	7.6	2.9	0.0	0.2	278
8	4267.3	14582.7	4308.7	4.8	325.3	412482	2.1	7.3	2.2	0.0	0.2	206
9	4400.2	15010.3	5025.3	5.6	374.6	480455	2.2	7.5	2.5	0.0	0.2	240
10	2374.5	8052.9	5527.9	6.1	399.0	517291	1.2	4.0	2.8	0.0	0.2	259
11	2295.7	7783.2	5524.6	6.1	398.6	516562	1.1	3.9	2.8	0.0	0.2	258
12	2160.7	7320.9	5519.0	6.1	397.9	515312	1.1	3.7	2.8	0.0	0.2	258
13	2215.4	7471.4	5722.3	6.3	415.3	534732	1.1	3.7	2.9	0.0	0.2	267
14	2215.4	7471.4	5722.3	6.3	415.3	534732	1.1	3.7	2.9	0.0	0.2	267
15	2216.6	7477.7	5729.8	6.3	415.6	535770	1.1	3.7	2.9	0.0	0.2	268
16	2209.3	7437.8	5627.8	6.2	411.2	525837	1.1	3.7	2.8	0.0	0.2	263
17	2178.8	7316.5	5384.0	5.9	398.0	503226	1.1	3.7	2.7	0.0	0.2	252
18	2156.4	7252.9	5278.9	5.8	391.1	491805	1.1	3.6	2.6	0.0	0.2	246
19	2089.6	7013.7	5308.1	5.8	393.6	494279	1.0	3.5	2.7	0.0	0.2	247
20	1808.6	6077.5	4914.7	5.4	356.0	456785	0.9	3.0	2.5	0.0	0.2	228
21	2735.6	9266.5	5166.5	5.7	372.1	485471	1.4	4.6	2.6	0.0	0.2	243
22	1676.0	5676.4	4227.5	4.8	292.9	406702	0.8	2.8	2.1	0.0	0.1	203
23	1707.9	5836.2	4553.6	5.0	316.1	430651	0.9	2.9	2.3	0.0	0.2	215
24	1571.0	5364.5	3806.1	4.3	259.4	365170	0.8	2.7	1.9	0.0	0.1	183
25	1527.5	5221.8	3533.7	3.9	247.7	334179	0.8	2.6	1.8	0.0	0.1	167
26	2930.4	9986.3	2502.5	2.8	189.3	243210	1.5	5.0	1.3	0.0	0.1	122
<b>Maximum Monthly</b>	<b>5288.0</b>	<b>18502.3</b>	<b>13165.0</b>	<b>13.7</b>	<b>707.3</b>	<b>1283276</b>	<b>2.6</b>	<b>9.3</b>	<b>6.6</b>	<b>0.0</b>	<b>0.4</b>	<b>642</b>
<b>Maximum Month</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>6</b>						

**Total Annual Emissions**

Consecutive 12 months	Annual Emissions (lbs)						Annual Emissions (tons)					
	ROG	CO	NOx	SOx	PM	CO2	ROG	CO	NOx	SOx	PM	CO2
1 - 12	36809.7	128212.5	97178.4	102.0	5553.0	9360086	18.4	64.1	48.6	0.1	2.8	4680
2 - 13	37839.8	131180.5	94924.0	100.3	5609.1	9117984	18.9	65.6	47.5	0.1	2.8	4559
3 - 14	38705.9	133611.1	91330.2	97.2	5603.0	8750943	19.4	66.8	45.7	0.0	2.8	4375
4 - 15	38421.3	132119.4	87425.9	93.8	5568.5	8347811	19.2	66.1	43.7	0.0	2.8	4174
5 - 16	37480.4	128327.6	80528.3	87.1	5330.8	7664964	18.7	64.2	40.3	0.0	2.7	3832
6 - 17	36279.8	123673.2	72957.3	79.6	5042.0	6915899	18.1	61.8	36.5	0.0	2.5	3458
7 - 18	33148.2	112423.8	65071.2	71.7	4725.8	6124428	16.6	56.2	32.5	0.0	2.4	3062
8 - 19	30779.9	104191.5	64678.7	71.2	4735.6	6062483	15.4	52.1	32.3	0.0	2.4	3031
9 - 20	28321.3	95686.2	65284.7	71.8	4766.3	6106786	14.2	47.8	32.6	0.0	2.4	3053
10 - 21	26656.7	89942.4	65426.0	71.9	4763.8	6111802	13.3	45.0	32.7	0.0	2.4	3056
11 - 22	25958.2	87565.8	64125.6	70.6	4657.7	6001213	13.0	43.8	32.1	0.0	2.3	3001
12 - 23	25370.4	85618.8	63154.6	69.6	4575.2	5915302	12.7	42.8	31.6	0.0	2.3	2958
13 - 24	24780.7	83662.3	61441.6	67.8	4436.7	5765160	12.4	41.8	30.7	0.0	2.2	2883
14 - 25	24092.7	81412.8	59253.0	65.4	4269.0	5564607	12.0	40.7	29.6	0.0	2.1	2782
15 - 26	24807.7	83927.7	56033.2	61.9	4043.0	5273084	12.4	42.0	28.0	0.0	2.0	2637
<b>Maximum Annual</b>	<b>38706</b>	<b>133611</b>	<b>97178</b>	<b>102</b>	<b>5609</b>	<b>9360086</b>	<b>19.4</b>	<b>66.8</b>	<b>48.6</b>	<b>0.1</b>	<b>2.8</b>	<b>4680</b>
<b>Maximum 12 Months</b>	<b>3 - 14</b>	<b>3 - 14</b>	<b>1 - 12</b>	<b>1 - 12</b>	<b>2 - 13</b>	<b>1 - 12</b>						

**Construction Total (26 Months) 66048.2 227082.9 164656.2 176.4 10426.7 15702634.3 33.0 113.5 82.3 0.1 5.2 7851.3**

## Fugitive Dust Emissions

### Emission Categories

- 1) Earthmoving
- 2) Road Dust Paved/Unpaved

#### 1) Earthmoving

##### Emission Types

- A) Dozing
- B) Grading
- C) Material Loading/Handling
- D) Scraper

A) Dozing (AP-42 Section 11.9 for overburden)

$$E = k \times (s)^{1.5} / (M)^{1.4} \text{ For PM10 and } k \times 5.7 \times (s)^{1.2} / (M)^{1.3} \text{ for PM2.5}$$

$$E = \text{lb/hr}$$

k = Scaling Constant (0.75 for PM10 and 0.105 for PM2.5)

s = Silt Content (assumed to be 14.0% - Data Response 5)

M = Moisture Content = 12% (assumes watering when necessary for mitigation)

	PM10	PM2.5
Emission Factor (lb/hr)	1.2117	0.5617

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Monthly Dozer Use (hrs/month)	528	528	528	528	528	528	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	29.08	29.08	29.08	29.08	29.08	29.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PM2.5 (lbs/day)	13.48	13.48	13.48	13.48	13.48	13.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Monthly Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	639.78	639.78	639.78	639.78	639.78	639.78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PM2.5 (lbs/month)	296.56	296.56	296.56	296.56	296.56	296.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

#### B) Grading

$$E = k \times 0.051 \times (S)^{2.0} \text{ for PM10 and } k \times 0.040 \times (S)^{2.5} \text{ for PM2.5}$$

$$E = \text{lb/VMT}$$

k = Scaling Constant (0.60 for PM10 and 0.031 for PM2.5)

S = Mean Vehicle Speed assumed to be 3 mph

Assumes VMT = 3 x hours in use

	PM10	PM2.5
Emission Factor (lb/VMT)	0.2754	0.0193

Emission Control  
68%

#### Site Prep

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Monthly Grader Use (hrs/month)	528	528	528	528	528	528	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Grader VMT (VMT/month)	1584	1584	1584	1584	1584	1584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Daily Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	6.35	6.35	6.35	6.35	6.35	6.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PM2.5 (lbs/day)	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Monthly Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	139.59	139.59	139.59	139.59	139.59	139.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PM2.5 (lbs/month)	9.80	9.80	9.80	9.80	9.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

#### Solar Field

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Monthly Grader Use (hrs/month)	0	0	0	0	0	0	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	0	0	
Monthly Grader VMT (VMT/month)	0	0	0	0	0	0	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	0	0	

Daily Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	0.00	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	0.00	0.00	
PM2.5 (lbs/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.00	0.00	

Monthly Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	0.00	0.00	0.00	0.00	0.00	0.00	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	46.53	0.00	0.00	
PM2.5 (lbs/month)	0.00	0.00	0.00	0.00	0.00	0.00	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	0.00	0.00	



C) Material Loading/Handling (AP-42, p. 13.2.4-3)

$$E = (k)(0.0032)[(U/5)^{-3}][((M/2)^{-1.4})]$$

E = lb/ton

k = Particle Size Constant (0.35 for PM10 and 0.11 for PM2.5)

U = average wind speed = MDAB - 25 MPH worst day, 8 MPH avg (engineering assumption)

M = moisture content = 12% (mitigated)

Three separate drops are assumed

	PM10	PM2.5
Daily Emission Factor (lb/ton)	0.00074	0.00023

	PM10	PM2.5
Monthly Emission Factor (lb/ton)	0.00017	0.00005

658000 cy for the first 6 months  
 100 lbs/cubic foot for soil density  
 888300 ton for the first 6 months  
 148050 ton for each month for the first 6 months  
 6729.55 ton per day for the first 6 months

<b>Daily Emissions</b>	PM10	PM2.5
Daily Max Emissions (lbs/day)	14.91	4.69

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Monthly Material Handling (tons/month)	148050	148050	148050	148050	148050	148050																				

<b>Monthly Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (tons/month)	74.59	74.59	74.59	74.59	74.59	74.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PM2.5 (tons/month)	23.44	23.44	23.44	23.44	23.44	23.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

D) Scraper Pickup and Drop (AP-42, Section 11.9)

Emission Factors and Emissions

0.058 Raw TSP Emission factor for Pickup (b/ton)  
 0.04 Raw TSP Emission factor for drop (lb/ton)  
 0.489 PM10 multiplier from CEIDARS  
 0.102 PM2.5 multiplier from CEIDARS

Emission Factors (lbs/ton)

	PM10	PM2.5
Pickup	0.0284	0.0059
Drop	0.0196	0.0041

3500000 cy for the first 6 months  
 100 lbs/cubic foot for soil density  
 4725000 ton for the first 6 months  
 787500 ton for each month for the first 6 months  
 35795.45 ton per day for the first 6 months

<b>Daily Emissions</b>	PM10	PM2.5
Daily Max Emissions (lbs/day)	548.92	114.50

Emission Control  
 68%

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Monthly Material Handling (tons/month)	787500	787500	787500	787500	787500	787500																				

<b>Monthly Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	12076	12076	12076	12076	12076	12076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PM2.5 (lbs/month)	2519	2519	2519	2519	2519	2519	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

**2) Road Dust**

Emission Types

A) Paved Road Dust

B) Unpaved Road Dust

A) Paved Road Dust

$$E = [k \times (sL/2)^{0.65} \times (W/3)^{1.5} \times C] \times (1-P/4N)$$

E = lb/VMT

k = Constant (0.016 for PM10 and 0.0040 for PM2.5)

sL = Silt Loading (assumed to be 0.03 g/m2 - assumes >10,000 ADT profile of Table 13.2.1-3 average for all traffic)

W = Average weight of vehicles in tons (calculated below)

C = Correction for exhaust, break wear, tire wear (0.00047 lb/VMT for PM10, 0.00036 lb/VMT for PM2.5)

P = Number of days with more than 0.01 inches of precipitation (assumed to be 40 based on Figure 13.2.1-2)

N = Number of day in period (365)

Average Vehicle Weight Calculation

Assumptions

Passenger Vehicles = 2 tons average

Midsize "Delivery" Vehicles = 8 ton average

Buses = 20 tons average

Heavy-Heavy Duty Trucks = 30 tons average (loaded 40 tons, unloaded 20 tons)

**Offsite - Onroad Trips - Employee Commuting**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Employee - Passenger (Non-bussed)	114400	183040	245960	314600	500500	657228	677248	705848	717288	758014	806634	803774	829514	843814	840954	838094	849534	834891	811668	774488	765908	661575	627255	467095	177320	105820
Employee - Passenger (Bussed)	108900	145200	188760	241560	405900	506220	529980	562980	576180	587620	645700	642400	672760	687280	683980	680680	695860	695420	683100	642840	630960	578380	538120	354640	123420	81180
Employee - Buses	6600	8800	11000	13200	22000	26400	28600	30800	30800	30800	35200	35200	35200	37400	37400	37400	37400	37400	37400	35200	33000	30800	28600	19800	6600	4400
Total Paved VMT	229900	337040	445720	569360	928400	1189848	1235828	1299628	1324268	1376434	1487534	1481374	1537474	1568494	1562334	1556174	1582794	1567711	1532168	1452528	1429868	1270755	1193975	841535	307340	191400

**Offsite - Onroad Trips - Deliveries**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Passenger Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delivery/Work Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy-Heavy Duty Vehicles	14130	14130	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620
Total Paved VMT	14130	14130	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620	28620

**Onsite - Onroad Trips**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Passenger Vehicles	9680	12100	12100	14520	19360	19360	13310	15730	16940	16940	19360	19360	19360	19360	19360	19360	19360	20570	20570	20570	20570	16940	15730	15730	14520	10890
Delivery/Work Vehicles	1210	1210	1210	1210	2420	2420	1210	1210	1210	1210	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	1210	1210	1210	1210	1210	1210
Heavy-Heavy Duty Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Paved VMT	10890	13310	13310	15730	21780	21780	14520	16940	18150	18150	21780	21780	21780	21780	21780	21780	21780	22990	22990	22990	21780	18150	16940	16940	15730	12100

**Offsite**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Average Weight (tons)	4.11	3.58	4.11	3.74	3.25	3.05	3.04	3.02	3.00	2.96	2.95	2.95	2.92	2.92	2.93	2.93	2.92	2.92	2.94	2.97	2.96	3.04	3.08	3.33	4.74	6.00

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 Emission Factor (lbs/VMT)	0.0012	0.0009	0.0012	0.0010	0.0007	0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0007	0.0016	0.0024
PM 2.5 Emission Factor (lbs/VMT)	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0004

<b>Monthly Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	285.40	303.73	554.40	570.73	658.51	709.50	731.89	755.14	756.36	759.06	804.97	804.64	807.77	829.37	829.02	828.68	830.19	829.33	827.34	803.08	781.90	753.76	729.99	635.46	523.50	531.48
PM2.5 (lbs/month)	13.79	0.00	26.72	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.64	80.98

<b>Daily Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	12.97	13.81	25.20	25.94	29.93	32.25	33.27	34.32	34.38	34.50	36.59	36.57	36.72	37.70	37.68	37.67	37.74	37.70	37.61	36.50	35.54	34.26	33.18	28.88	23.80	24.16
PM2.5 (lbs/day)	0.63	0.00	1.21	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	3.68

**Onsite**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Average Weight (tons)	2.67	2.55	2.55	2.46	2.67	2.67	2.50	2.43	2.40	2.40	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.63	2.63	2.63	2.33	2.40	2.43	2.43	2.46	2.60

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 Emission Factor (lbs/VMT)	0.0004	0.0003	0.0003	0.0003	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0002	0.0003	0.0003	0.0003	0.0003	0.0004
PM 2.5 Emission Factor (lbs/VMT)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

<b>Monthly Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	4.29	4.48	4.48	4.68	8.57	8.57	4.58	4.78	4.89	4.89	8.57	8.57	8.57	8.57	8.57	8.57	8.57	8.66	8.66	8.66	5.21	4.89	4.78	4.78	4.68	4.38
PM2.5 (lbs/month)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<b>Daily Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	0.19	0.20	0.20	0.21	0.39	0.39	0.21	0.22	0.22	0.22	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.24	0.22	0.22	0.22	0.21	0.20
PM2.5 (lbs/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Total**

<b>Monthly Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	289.69	308.20	558.88	575.40	667.09	718.07	736.46	759.92	761.24	763.95	813.55	813.21	816.35	837.94	837.60	837.25	838.76	837.99	836.01	811.75	787.11	758.65	734.77	640.25	528.18	535.86
PM2.5 (lbs/month)	13.79	0.00	26.72	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.64	80.98

<b>Daily Emissions</b>	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	13.17	14.01	25.40	26.15	30.32	32.64	33.48	34.54	34.60	34.72	36.98	36.96	37.11	38.09	38.07	38.06	38.13	38.09	38.00	36.90	35.78	34.48	33.40	29.10	24.01	24.36
PM2.5 (lbs/day)	0.63	0.00	1.21	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	3.68

B) Unpaved Road Dust

$$E = (k)[(s/12)^{0.5}][W/3]^{0.45}[(365-P)/365] \quad \text{(for industrial sites)}$$

k = constant = 1.5 lb/VMT for PM10 and 0.23 lb/VMT for PM2.5

s = Silt Content (assumed to be 14 per data response 5)

W = avg. vehicle weight = calculated below

No correction for number of wet days due to assumption of working in dry season

Average Vehicle Weight Calculation

Assumptions

Personal/Professionals/inspection Vehicles = 2 tons average

Midsize "Delivery" Vehicles = 8 ton average

Heavy-Heavy Duty Trucks = 30 tons average (loaded 40 tons, unloaded 20 tons)

Scraper = 54 tons average

Onsite - Onroad Trips

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Passenger Vehicles	880	1100	1100	1320	1760	1760	1210	1430	1540	1540	1760	1760	1760	1760	1760	1760	1760	1870	1870	1870	1870	1540	1430	1430	1320	990
Delivery/Work Vehicles	550	550	550	550	660	660	990	2310	2310	2310	2420	2420	2420	2420	3300	3740	3740	3740	3740	3300	3630	3630	3190	1430	990	550
Heavy-Heavy Duty Vehicles	880	880	1320	1320	1320	880	2200	1760	1760	1760	2200	1760	1760	1760	1760	1760	1760	1760	1760	1760	1760	1760	1320	880	880	
Scraper	10560	13200	13200	13200	13200	13200	2640	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Paved VMT	12870	15730	16170	16390	16940	16500	7040	5500	5610	5610	6380	5940	5940	5940	6820	7260	7260	7370	7370	6930	7260	6930	6380	4180	3190	2420

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
Average Weight (tons)	46.84	47.41	46.94	46.34	44.94	45.33	31.09	13.48	13.25	13.25	13.93	12.74	12.74	12.74	12.13	11.88	11.88	11.73	11.73	11.97	11.79	12.25	12.72	12.89	11.59	13.55

Uncontrolled Emission Factors and Emissions

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 Emission Factor (lbs/VMT)	5.9348	5.9675	5.9406	5.9061	5.8251	5.8483	4.9356	3.3884	3.3629	3.3629	3.4390	3.3035	3.3035	3.3035	3.2312	3.2010	3.2010	3.1831	3.1831	3.2118	3.1900	3.2461	3.3016	3.3214	3.1653	3.3958
PM 2.5 Emission Factor (lbs/VMT)	0.9100	0.9150	0.9109	0.9056	0.8932	0.8967	0.7568	0.5196	0.5156	0.5156	0.5273	0.5065	0.5065	0.5065	0.4954	0.4908	0.4908	0.4881	0.4881	0.4925	0.4891	0.4977	0.5062	0.5093	0.4853	0.5207

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	76380.93	93868.46	96059.01	96800.88	98676.93	96496.31	34746.76	18636.40	18865.62	18865.62	21940.78	19622.88	19622.88	19622.88	22036.62	23239.29	23239.29	23459.18	23459.18	22257.99	23159.09	22495.55	21064.07	13883.56	10097.25	8217.91
PM2.5 (lbs/month)	11711.74	14393.16	14729.05	14842.80	15130.46	14796.10	5327.84	2857.58	2892.73	2892.73	3364.25	3008.84	3008.84	3008.84	3378.95	3563.36	3563.36	3597.07	3597.07	3412.89	3551.06	3449.32	3229.82	2128.81	1548.24	1260.08

Emission Control

90% Assumes use of CARB approved soil binder or equivalent

Monthly Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	7638.09	9386.85	9605.90	9680.09	9867.69	9649.63	3474.68	1863.64	1886.56	1886.56	2194.08	1962.29	1962.29	1962.29	2203.66	2323.93	2323.93	2345.92	2345.92	2225.80	2315.91	2249.55	2106.41	1388.36	1009.72	821.79
PM2.5 (lbs/month)	1171.17	1439.32	1472.90	1484.28	1513.05	1479.61	532.78	285.76	289.27	289.27	336.43	300.88	300.88	300.88	337.89	356.34	356.34	359.71	359.71	341.29	355.11	344.93	322.98	212.88	154.82	126.01

Daily Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	347.19	426.67	436.63	440.00	448.53	438.62	157.94	84.71	85.75	85.75	99.73	89.19	89.19	89.19	100.17	105.63	105.63	106.63	106.63	101.17	105.27	102.25	95.75	63.11	45.90	37.35
PM2.5 (lbs/day)	53.24	65.42	66.95	67.47	68.77	67.26	24.22	12.99	13.15	13.15	15.29	13.68	13.68	13.68	15.36	16.20	16.20	16.35	16.35	15.51	16.14	15.68	14.68	9.68	7.04	5.73

3) Disturbed Area Windblown Emissions

Assumptions

Emission Factor is 0.38 tons/disturbed acres/year of Total Suspended Particulate (AP-42 Section 11.9)

PM10 and PM2.5 fractions of TSP are 0.489 and 0.102 respectively per CEIDARS factors from SCAQMD CEQA Website

Active disturbed areas are controlled by watering 68% control

Final soil stabilization of disturbed acres creates no net emission increase of permanently disturbed acres

Disturbed Acres (acre-years)	Emissions (tons/year/acre)	
	PM10	PM2.5
160 First Six Months		
10 Balance of Construction	0.0605568	0.0124032

Monthly Emissions	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/month)	1614.85	1614.85	1614.85	1614.85	1614.85	1614.85	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93	100.93
PM2.5 (lbs/month)	330.75	330.75	330.75	330.75	330.75	330.75	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67

Max. Daily Emissions (each month)	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26
PM10 (lbs/day)	53.83	53.83	53.83	53.83	53.83	53.83	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36
PM2.5 (lbs/day)	11.03	11.03	11.03	11.03	11.03	11.03	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69

**Fugitive Dust Emissions Summary - Onsite**

Month	lbs/day	
	PM10	PM2.5
1	1000.47	197.37
2	1079.97	209.56
3	1089.93	211.09
4	1093.31	211.60
5	1102.01	212.91
6	1092.10	211.39
7	163.63	25.05
8	90.41	13.83
9	91.45	13.99
10	91.45	13.99
11	105.60	16.13
12	95.06	14.51
13	95.06	14.51
14	95.06	14.51
15	106.04	16.20
16	111.50	17.03
17	111.50	17.03
18	112.51	17.19
19	112.51	17.19
20	107.05	16.35
21	110.98	16.98
22	107.95	16.52
23	101.44	15.52
24	66.69	10.37
25	49.47	7.73
26	40.92	6.42
<b>Maximum Daily</b>	<b>1102.01</b>	<b>212.91</b>
<b>Maximum Month</b>	<b>5</b>	<b>5</b>

Month	lbs/month		tons/month	
	PM10	PM2.5	PM10	PM2.5
1	22187.54	4350.72	11.09	2.18
2	23936.48	4618.86	11.97	2.31
3	24155.54	4652.45	12.08	2.33
4	24229.93	4663.83	12.11	2.33
5	24421.43	4692.59	12.21	2.35
6	24203.37	4659.16	12.10	2.33
7	3626.71	556.72	1.81	0.28
8	2015.88	309.70	1.01	0.15
9	2038.91	313.21	1.02	0.16
10	2038.91	313.21	1.02	0.16
11	2350.11	360.36	1.18	0.18
12	2118.32	324.82	1.06	0.16
13	2118.32	324.82	1.06	0.16
14	2118.32	324.82	1.06	0.16
15	2359.69	361.83	1.18	0.18
16	2479.96	380.27	1.24	0.19
17	2479.96	380.27	1.24	0.19
18	2502.04	383.65	1.25	0.19
19	2502.04	383.65	1.25	0.19
20	2381.92	365.23	1.19	0.18
21	2468.58	379.04	1.23	0.19
22	2401.90	368.87	1.20	0.18
23	2258.65	346.92	1.13	0.17
24	1494.06	233.55	0.75	0.12
25	1115.33	175.50	0.56	0.09
26	927.10	146.68	0.46	0.07
<b>Maximum Monthly</b>	<b>24421.43</b>	<b>4692.59</b>	<b>12.21</b>	<b>2.35</b>
<b>Maximum Month</b>	<b>5</b>	<b>5</b>		

Consecutive 12 months	lbs/12 months		tons/12 months	
	PM10	PM2.5	PM10	PM2.5
1 - 12	157323.13	29815.64	78.66	14.91
2 - 13	137253.90	25789.74	68.63	12.89
3 - 14	115435.74	21495.70	57.72	10.75
4 - 15	93639.90	17205.08	46.82	8.60
5 - 16	71889.93	12921.53	35.94	6.46
6 - 17	49948.46	8609.21	24.97	4.30
7 - 18	28247.14	4333.69	14.12	2.17
8 - 19	27122.47	4160.62	13.56	2.08
9 - 20	27488.51	4216.15	13.74	2.11
10 - 21	27918.18	4281.98	13.96	2.14
11 - 22	28281.17	4337.64	14.14	2.17
12 - 23	28189.71	4324.20	14.09	2.16
13 - 24	27565.45	4232.93	13.78	2.12
14 - 25	26562.46	4083.60	13.28	2.04
15 - 26	25371.24	3905.46	12.69	1.95
<b>Maximum Annual</b>	<b>157323.13</b>	<b>29815.64</b>	<b>78.66</b>	<b>14.91</b>
<b>Maximum 12 Months</b>	<b>1 - 12</b>	<b>1 - 12</b>		

**Fugitive Dust Emissions Summary - Offsite**

Month	lbs/day	
	PM10	PM2.5
1	12.97	0.63
2	13.81	0.00
3	25.20	1.21
4	25.94	0.07
5	29.93	0.00
6	32.25	0.00
7	33.27	0.00
8	34.32	0.00
9	34.38	0.00
10	34.50	0.00
11	36.59	0.00
12	36.57	0.00
13	36.72	0.00
14	37.70	0.00
15	37.68	0.00
16	37.67	0.00
17	37.74	0.00
18	37.70	0.00
19	37.61	0.00
20	36.50	0.00
21	35.54	0.00
22	34.26	0.00
23	33.18	0.00
24	28.88	0.00
25	23.80	2.35
26	24.16	3.68
<b>Maximum Daily</b>	<b>37.74</b>	<b>3.68</b>
<b>Maximum Month</b>	<b>17</b>	<b>17</b>

Month	lbs/month		tons/month	
	PM10	PM2.5	PM10	PM2.5
1	285.40	13.79	0.14	0.01
2	303.73	0.00	0.15	0.00
3	554.40	26.72	0.28	0.01
4	570.73	1.64	0.29	0.00
5	658.51	0.00	0.33	0.00
6	709.50	0.00	0.35	0.00
7	731.89	0.00	0.37	0.00
8	755.14	0.00	0.38	0.00
9	756.36	0.00	0.38	0.00
10	759.06	0.00	0.38	0.00
11	804.97	0.00	0.40	0.00
12	804.64	0.00	0.40	0.00
13	807.77	0.00	0.40	0.00
14	829.37	0.00	0.41	0.00
15	829.02	0.00	0.41	0.00
16	828.68	0.00	0.41	0.00
17	830.19	0.00	0.42	0.00
18	829.33	0.00	0.41	0.00
19	827.34	0.00	0.41	0.00
20	803.08	0.00	0.40	0.00
21	781.90	0.00	0.39	0.00
22	753.76	0.00	0.38	0.00
23	729.99	0.00	0.36	0.00
24	635.46	0.00	0.32	0.00
25	523.50	51.64	0.26	0.03
26	531.48	80.98	0.27	0.04
<b>Maximum Monthly</b>	<b>830.19</b>	<b>80.98</b>	<b>0.42</b>	<b>0.04</b>
<b>Maximum Month</b>	<b>6</b>	<b>6</b>		

Consecutive 12 months	lbs/12 months		tons/12 months	
	PM10	PM2.5	PM10	PM2.5
1 - 12	7694.31	42.16	3.85	0.02
2 - 13	8216.69	28.37	4.11	0.01
3 - 14	8742.33	28.37	4.37	0.01
4 - 15	9016.96	1.64	4.51	0.00
5 - 16	9274.90	0.00	4.64	0.00
6 - 17	9446.58	0.00	4.72	0.00
7 - 18	9566.41	0.00	4.78	0.00
8 - 19	9661.86	0.00	4.83	0.00
9 - 20	9709.81	0.00	4.85	0.00
10 - 21	9735.35	0.00	4.87	0.00
11 - 22	9730.05	0.00	4.87	0.00
12 - 23	9655.07	0.00	4.83	0.00
13 - 24	9485.89	0.00	4.74	0.00
14 - 25	9201.62	51.64	4.60	0.03
15 - 26	8903.73	132.61	4.45	0.07
<b>Maximum Annual</b>	<b>9735.35</b>	<b>132.61</b>	<b>4.87</b>	<b>0.07</b>
<b>Maximum 12 Months</b>	<b>1 - 12</b>	<b>1 - 12</b>		

**Fugitive Dust Emissions Summary**

Month	lbs/day	
	PM10	PM2.5
1	1013.45	198.00
2	1093.78	209.56
3	1115.13	212.30
4	1119.25	211.68
5	1131.95	212.91
6	1124.35	211.39
7	196.89	25.05
8	124.73	13.83
9	125.83	13.99
10	125.96	13.99
11	142.19	16.13
12	131.64	14.51
13	131.78	14.51
14	132.76	14.51
15	143.72	16.20
16	149.17	17.03
17	149.24	17.03
18	150.20	17.19
19	150.11	17.19
20	143.55	16.35
21	146.53	16.98
22	142.22	16.52
23	134.62	15.52
24	95.57	10.37
25	73.27	10.07
26	65.08	10.10
<b>Maximum Daily</b>	<b>1131.95</b>	<b>212.91</b>
<b>Maximum Month</b>	<b>5</b>	<b>5</b>

Month	lbs/month		tons/month	
	PM10	PM2.5	PM10	PM2.5
1	22472.94	4364.52	11.24	2.18
2	24240.21	4618.86	12.12	2.31
3	24709.94	4679.18	12.35	2.34
4	24800.66	4665.47	12.40	2.33
5	25079.94	4692.59	12.54	2.35
6	24912.86	4659.16	12.46	2.33
7	4358.60	556.72	2.18	0.28
8	2771.02	309.70	1.39	0.15
9	2795.27	313.21	1.40	0.16
10	2797.97	313.21	1.40	0.16
11	3155.08	360.36	1.58	0.18
12	2922.96	324.82	1.46	0.16
13	2926.10	324.82	1.46	0.16
14	2947.69	324.82	1.47	0.16
15	3188.72	361.83	1.59	0.18
16	3308.64	380.27	1.65	0.19
17	3310.15	380.27	1.66	0.19
18	3331.37	383.65	1.67	0.19
19	3329.38	383.65	1.66	0.19
20	3185.01	365.23	1.59	0.18
21	3250.48	379.04	1.63	0.19
22	3155.66	368.87	1.58	0.18
23	2988.64	346.92	1.49	0.17
24	2129.53	233.55	1.06	0.12
25	1638.83	227.13	0.82	0.11
26	1458.58	227.66	0.73	0.11
<b>Maximum Monthly</b>	<b>25079.94</b>	<b>4692.59</b>	<b>12.54</b>	<b>2.35</b>
<b>Maximum Month</b>	<b>5</b>	<b>5</b>		

Consecutive 12 months	lbs/12 months		tons/12 months	
	PM10	PM2.5	PM10	PM2.5
1 - 12	165017.44	29857.80	82.51	14.93
2 - 13	145470.59	25818.11	72.74	12.91
3 - 14	124178.07	21524.07	62.09	10.76
4 - 15	102656.85	17206.72	51.33	8.60
5 - 16	81164.83	12921.53	40.58	6.46
6 - 17	59395.04	8609.21	29.70	4.30
7 - 18	37813.55	4333.69	18.91	2.17
8 - 19	36784.33	4160.62	18.39	2.08
9 - 20	37198.32	4216.15	18.60	2.11
10 - 21	37653.53	4281.98	18.83	2.14
11 - 22	38011.22	4337.64	19.01	2.17
12 - 23	37844.78	4324.20	18.92	2.16
13 - 24	37051.35	4232.93	18.53	2.12
14 - 25	35764.08	4135.24	17.88	2.07
15 - 26	34274.97	4038.08	17.14	2.02
<b>Maximum Annual</b>	<b>165017.44</b>	<b>29857.80</b>	<b>82.51</b>	<b>14.93</b>
<b>Maximum 12 Months</b>	<b>1 - 12</b>	<b>1 - 12</b>		

**Abengoa Mojave Solar Project**  
**Energy Commission Staff Estimate for**  
**On-road Operation Emissions**



## Operations Offsite Emissions

### Operations Site Delivery Emissions

Deliveries per Avg Month:	38
Per trip delivery VMT:	100
Total monthly VMT:	3800
Total annual VMT:	45600

### Emission Factors (Lbs/VMT)

	NOx	SOx	CO	VOC	PM10	PM2.5	CO2
Passenger	0.00071158	0.00001072	0.00709228	0.00074567	0.00009067	0.00005834	1.10087435
HHD	0.02742935	0.00004086	0.00931790	0.00226308	0.00133697	0.00114629	4.21518556
Fugitive PM	--	--	--	--	0.000849	0.000000	--

### Employee Commuting Emissions

Winter-Off Season Employee #	63
Summer-Peak Season Employee #	73
Annual average employee #	68
Average roundtrip distance, miles	80
VMT/day	5840
VMT/year	1985600

### Criteria Pollutant Emissions (lbs/day)

	NOx	SOx	CO	VOC	PM10	PM2.5	CO2
Passenger	4.16	0.06	41.42	4.35	0.53	0.34	6429.11
Delivery HHD	13.71	0.02	4.66	1.13	0.67	0.57	2107.59
Fugitive PM	--	--	--	--	5.38	0	--
<b>Totals</b>	<b>17.87</b>	<b>0.08</b>	<b>46.08</b>	<b>5.49</b>	<b>6.58</b>	<b>0.91</b>	<b>8536.70</b>

### Criteria Pollutant Emissions (tons/year)

	NOx	SOx	CO	VOC	PM10	PM2.5	CO2
Passenger	0.71	0.01	7.04	0.74	0.09	0.06	1092.95
Delivery HHD	0.63	0.00	0.21	0.05	0.03	0.03	96.11
Fugitive PM	--	--	--	--	0.86	0.00	--
<b>Totals</b>	<b>1.33</b>	<b>0.01</b>	<b>7.25</b>	<b>0.79</b>	<b>0.98</b>	<b>0.08</b>	<b>1189.05</b>

### Values Revised by Staff from those used by the Applicant in their estimate

- 1) Delivery Vehicles Round Trip VMT increased from 55 to 100 miles, which assumes not all trips originate from Barstow.
- 2) Employee Vehicle Round Trip VMT increased from 50 to 80 miles, which assumes not all trips originate from Barstow.
- 3) Emission factors updated to SCAQMD 2013 factors (first potential full year of operation) that are based on updated EMFAC model
- 4) Maximum daily delivery emission based on five trips per day when cleaning evaporation pond.
- 5) Paved road dust fugitive dust emissions included using the following calculation to determine the emission factor:

Paved Road Dust Emission Factor Determination (USEPA AP-42 Section 13.2.1)

$$E = [k \times (sL/2)0.65 \times (W/3)1.5 - C] \times (1-P/4N)$$

E = lb/VMT

k = Constant (0.016 for PM10 and 0.0040 for PM2.5)

sL = Silt Loading (assumed to be 0.03 g/m<sup>2</sup> - assumes >10,000 ADT profile of Table 13.2.1-3 average for all traffic)

W = Average weight of vehicles in tons (calculated below)

C = Correction for exhaust, break wear, tire wear (0.00047 lb/VMT for PM10, 0.00036 lb/VMT for PM2.5)

P = Number of days with more than 0.01 inches of precipitation (assumed to be 40 based on Figure 13.2.1-2)

N = Number of day in period (365)

Average Vehicle Weight Calculation

Assumptions

Passenger Vehicles = 2 tons average

Heavy-Heavy Duty Trucks = 30 tons average (loaded 40 tons, unloaded 20 tons)

Using VMT shown above the average vehicle weight : 3 Tons

Emission Factors and Emissions

Emission Factors lbs/VMT

PM10	PM2.5 Annual
0.000849	0.000000

PM2.5 set to zero, from negative, per guidance in Section 13.2.1