3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0722	0.0430	0.4346	1.5800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		157.1480	157.1480	3.7700e-003		157.2423
Total	**0.0722**	**0.0430**	**0.4346**	**1.5800e-003**	**0.1916**	**1.2000e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**157.1480**	**157.1480**	**3.7700e-003**		**157.2423**

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0722	0.0430	0.4346	1.5800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		157.1480	157.1480	3.7700e-003		157.2423
Total	**0.0722**	**0.0430**	**0.4346**	**1.5800e-003**	**0.1916**	**1.2000e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**157.1480**	**157.1480**	**3.7700e-003**		**157.2423**

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0692	0.0397	0.4058	1.5100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		150.7923	150.7923	3.4800e-003		150.8794
Total	**0.0692**	**0.0397**	**0.4058**	**1.5100e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0800e-003**	**0.0519**		**150.7923**	**150.7923**	**3.4800e-003**		**150.8794**

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0692	0.0397	0.4058	1.5100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		150.7923	150.7923	3.4800e-003		150.8794
Total	**0.0692**	**0.0397**	**0.4058**	**1.5100e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0800e-003**	**0.0519**		**150.7923**	**150.7923**	**3.4800e-003**		**150.8794**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506
Unmitigated	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,530.00	2,633.73	2289.65	9,290,445	9,290,445
Total	2,530.00	2,633.73	2,289.65	9,290,445	9,290,445

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
NaturalGas Unmitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	25734.2	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		**0.2775**	**2.3716**	**1.0092**	**0.0151**		**0.1917**	**0.1917**		**0.1917**	**0.1917**		**3,027.5517**	**3,027.5517**	**0.0580**	**0.0555**	**3,045.5429**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	25.7342	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		**0.2775**	**2.3716**	**1.0092**	**0.0151**		**0.1917**	**0.1917**		**0.1917**	**0.1917**		**3,027.5517**	**3,027.5517**	**0.0580**	**0.0555**	**3,045.5429**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630
Unmitigated	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4911	4.1968	1.7859	0.0268		0.3393	0.3393		0.3393	0.3393	0.0000	5,357.6471	5,357.6471	0.1027	0.0982	5,389.4849
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	**11.6389**	**4.4367**	**22.5670**	**0.0279**		**0.4551**	**0.4551**		**0.4551**	**0.4551**	**0.0000**	**5,395.2308**	**5,395.2308**	**0.1385**	**0.0982**	**5,427.9630**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4911	4.1968	1.7859	0.0268		0.3393	0.3393		0.3393	0.3393	0.0000	5,357.6471	5,357.6471	0.1027	0.0982	5,389.4849
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	**11.6389**	**4.4367**	**22.5670**	**0.0279**		**0.4551**	**0.4551**		**0.4551**	**0.4551**	**0.0000**	**5,395.2308**	**5,395.2308**	**0.1385**	**0.0982**	**5,427.9630**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 51, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	13.00	Dwelling Unit	4.22	23,400.00	37

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	8.4063	1.8395	1.8868	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.8525	294.8525	0.0242	0.0000	295.4572
Maximum	**8.4063**	**48.2806**	**23.3821**	**0.0405**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,080.4050**	**4,080.4050**	**1.2011**	**0.0000**	**4,110.4330**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	8.4063	1.8395	1.8868	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.8525	294.8525	0.0242	0.0000	295.4572
Maximum	**8.4063**	**48.2806**	**23.3821**	**0.0405**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,080.4050**	**4,080.4050**	**1.2011**	**0.0000**	**4,110.4330**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162
Total	**20.6100**	**1.1772**	**27.4294**	**0.0541**	**1.0625**	**3.4622**	**4.5247**	**0.2840**	**3.4620**	**3.7459**	**361.0325**	**1,214.7314**	**1,575.7639**	**0.3777**	**0.0313**	**1,594.5198**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162
Total	**20.6100**	**1.1772**	**27.4294**	**0.0541**	**1.0625**	**3.4622**	**4.5247**	**0.2840**	**3.4620**	**3.7459**	**361.0325**	**1,214.7314**	**1,575.7639**	**0.3777**	**0.0313**	**1,594.5198**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 47,385; Residential Outdoor: 15,795; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	5.4400e-003	4.0700e-003	0.0455	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		13.4045	13.4045	4.2000e-004		13.4149
Total	**5.4400e-003**	**4.0700e-003**	**0.0455**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**13.4045**	**13.4045**	**4.2000e-004**		**13.4149**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	5.4400e-003	4.0700e-003	0.0455	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		13.4045	13.4045	4.2000e-004		13.4149
Total	**5.4400e-003**	**4.0700e-003**	**0.0455**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**13.4045**	**13.4045**	**4.2000e-004**		**13.4149**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	4.8300e-003	0.1254	0.0332	2.6000e-004	6.1200e-003	9.4000e-004	7.0600e-003	1.7600e-003	9.0000e-004	2.6600e-003		27.5451	27.5451	2.2500e-003		27.6015
Worker	0.0294	0.0227	0.2516	6.9000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		69.1059	69.1059	2.3000e-003		69.1634
Total	**0.0343**	**0.1482**	**0.2848**	**9.5000e-004**	**0.0700**	**1.3800e-003**	**0.0714**	**0.0187**	**1.3100e-003**	**0.0200**		**96.6510**	**96.6510**	**4.5500e-003**		**96.7649**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	4.8300e-003	0.1254	0.0332	2.6000e-004	6.1200e-003	9.4000e-004	7.0600e-003	1.7600e-003	9.0000e-004	2.6600e-003		27.5451	27.5451	2.2500e-003		27.6015
Worker	0.0294	0.0227	0.2516	6.9000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		69.1059	69.1059	2.3000e-003		69.1634
Total	**0.0343**	**0.1482**	**0.2848**	**9.5000e-004**	**0.0700**	**1.3800e-003**	**0.0714**	**0.0187**	**1.3100e-003**	**0.0200**		**96.6510**	**96.6510**	**4.5500e-003**		**96.7649**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**		**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**	**0.0000**	**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162
Unmitigated	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	130.00	135.33	117.65	477,375	477,375
Total	130.00	135.33	117.65	477,375	477,375

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
NaturalGas Unmitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1322.31	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.32231	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133
Unmitigated	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	19.8951	0.3885	24.5584	0.0445		3.4433	3.4433		3.4433	3.4433	361.0325	151.4118	512.4443	0.3332	0.0284	529.2362
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**20.4679**	**0.4009**	**25.6262**	**0.0446**		**3.4493**	**3.4493**		**3.4493**	**3.4493**	**361.0325**	**153.3429**	**514.3754**	**0.3350**	**0.0284**	**531.2133**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	19.8951	0.3885	24.5584	0.0445		3.4433	3.4433		3.4433	3.4433	361.0325	151.4118	512.4443	0.3332	0.0284	529.2362
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**20.4679**	**0.4009**	**25.6262**	**0.0446**		**3.4493**	**3.4493**		**3.4493**	**3.4493**	**361.0325**	**153.3429**	**514.3754**	**0.3350**	**0.0284**	**531.2133**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 51, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	13.00	Dwelling Unit	4.22	23,400.00	37

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Valley Center 51, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblFireplaces	NumberGas	7.15	13.00
tblFireplaces	NumberNoFireplace	1.30	0.00
tblFireplaces	NumberWood	4.55	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	0.65	0.00
tblWoodstoves	NumberNoncatalytic	0.65	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	8.4063	1.8395	1.8868	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.8525	294.8525	0.0242	0.0000	295.4572
Maximum	**8.4063**	**48.2806**	**23.3821**	**0.0405**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,080.4050**	**4,080.4050**	**1.2011**	**0.0000**	**4,110.4330**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	8.4063	1.8395	1.8868	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.8525	294.8525	0.0242	0.0000	295.4572
Maximum	**8.4063**	**48.2806**	**23.3821**	**0.0405**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,080.4050**	**4,080.4050**	**1.2011**	**0.0000**	**4,110.4330**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162
Total	**0.7401**	**1.0043**	**2.9628**	**0.0110**	**1.0625**	**0.0363**	**1.0988**	**0.2840**	**0.0361**	**0.3201**	**0.0000**	**1,338.6138**	**1,338.6138**	**0.0498**	**7.9000e-003**	**1,342.2137**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162
Total	**0.7401**	**1.0043**	**2.9628**	**0.0110**	**1.0625**	**0.0363**	**1.0988**	**0.2840**	**0.0361**	**0.3201**	**0.0000**	**1,338.6138**	**1,338.6138**	**0.0498**	**7.9000e-003**	**1,342.2137**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 47,385; Residential Outdoor: 15,795; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Valley Center 51, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	5.4400e-003	4.0700e-003	0.0455	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		13.4045	13.4045	4.2000e-004		13.4149
Total	**5.4400e-003**	**4.0700e-003**	**0.0455**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**13.4045**	**13.4045**	**4.2000e-004**		**13.4149**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	5.4400e-003	4.0700e-003	0.0455	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		13.4045	13.4045	4.2000e-004		13.4149
Total	**5.4400e-003**	**4.0700e-003**	**0.0455**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**13.4045**	**13.4045**	**4.2000e-004**		**13.4149**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	4.8300e-003	0.1254	0.0332	2.6000e-004	6.1200e-003	9.4000e-004	7.0600e-003	1.7600e-003	9.0000e-004	2.6600e-003		27.5451	27.5451	2.2500e-003		27.6015
Worker	0.0294	0.0227	0.2516	6.9000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		69.1059	69.1059	2.3000e-003		69.1634
Total	**0.0343**	**0.1482**	**0.2848**	**9.5000e-004**	**0.0700**	**1.3800e-003**	**0.0714**	**0.0187**	**1.3100e-003**	**0.0200**		**96.6510**	**96.6510**	**4.5500e-003**		**96.7649**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	4.8300e-003	0.1254	0.0332	2.6000e-004	6.1200e-003	9.4000e-004	7.0600e-003	1.7600e-003	9.0000e-004	2.6600e-003		27.5451	27.5451	2.2500e-003		27.6015
Worker	0.0294	0.0227	0.2516	6.9000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		69.1059	69.1059	2.3000e-003		69.1634
Total	**0.0343**	**0.1482**	**0.2848**	**9.5000e-004**	**0.0700**	**1.3800e-003**	**0.0714**	**0.0187**	**1.3100e-003**	**0.0200**		**96.6510**	**96.6510**	**4.5500e-003**		**96.7649**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**		**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**	**0.0000**	**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162
Unmitigated	0.1278	0.6545	1.7514	8.8000e-003	1.0625	3.0500e-003	1.0656	0.2840	2.8400e-003	0.2868		905.8226	905.8226	0.0397		906.8162

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	130.00	135.33	117.65	477,375	477,375
Total	130.00	135.33	117.65	477,375	477,375

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
NaturalGas Unmitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1322.31	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.32231	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072
Unmitigated	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0252	0.2157	0.0918	1.3800e-003		0.0174	0.0174		0.0174	0.0174	0.0000	275.2941	275.2941	5.2800e-003	5.0500e-003	276.9301
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**0.5981**	**0.2280**	**1.1596**	**1.4400e-003**		**0.0234**	**0.0234**		**0.0234**	**0.0234**	**0.0000**	**277.2253**	**277.2253**	**7.1200e-003**	**5.0500e-003**	**278.9072**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0252	0.2157	0.0918	1.3800e-003		0.0174	0.0174		0.0174	0.0174	0.0000	275.2941	275.2941	5.2800e-003	5.0500e-003	276.9301
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**0.5981**	**0.2280**	**1.1596**	**1.4400e-003**		**0.0234**	**0.0234**		**0.0234**	**0.0234**	**0.0000**	**277.2253**	**277.2253**	**7.1200e-003**	**5.0500e-003**	**278.9072**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 51, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	13.00	Dwelling Unit	4.22	23,400.00	37

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Valley Center 51, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	8.4072	1.8400	1.8834	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.0263	294.0263	0.0242	0.0000	294.6304
Maximum	**8.4072**	**48.2906**	**23.3181**	**0.0404**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,065.0841**	**4,065.0841**	**1.2006**	**0.0000**	**4,095.1000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	8.4072	1.8400	1.8834	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.0263	294.0263	0.0242	0.0000	294.6304
Maximum	**8.4072**	**48.2906**	**23.3181**	**0.0404**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,065.0841**	**4,065.0841**	**1.2006**	**0.0000**	**4,095.1000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433
Total	**20.6074**	**1.1891**	**27.3685**	**0.0537**	**1.0625**	**3.4622**	**4.5247**	**0.2840**	**3.4620**	**3.7459**	**361.0325**	**1,172.2562**	**1,533.2887**	**0.3778**	**0.0313**	**1,552.0470**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433
Total	**20.6074**	**1.1891**	**27.3685**	**0.0537**	**1.0625**	**3.4622**	**4.5247**	**0.2840**	**3.4620**	**3.7459**	**361.0325**	**1,172.2562**	**1,533.2887**	**0.3778**	**0.0313**	**1,552.0470**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 47,385; Residential Outdoor: 15,795; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Valley Center 51, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	6.2900e-003	4.5700e-003	0.0421	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.5783	12.5783	3.9000e-004		12.5881
Total	**6.2900e-003**	**4.5700e-003**	**0.0421**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**12.5783**	**12.5783**	**3.9000e-004**		**12.5881**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	6.2900e-003	4.5700e-003	0.0421	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.5783	12.5783	3.9000e-004		12.5881
Total	**6.2900e-003**	**4.5700e-003**	**0.0421**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**12.5783**	**12.5783**	**3.9000e-004**		**12.5881**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	5.0500e-003	0.1254	0.0369	2.5000e-004	6.1200e-003	9.5000e-004	7.0800e-003	1.7600e-003	9.1000e-004	2.6800e-003		26.7959	26.7959	2.4100e-003		26.8561
Worker	0.0340	0.0255	0.2338	6.5000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		64.8501	64.8501	2.1700e-003		64.9042
Total	**0.0391**	**0.1510**	**0.2708**	**9.0000e-004**	**0.0700**	**1.3900e-003**	**0.0714**	**0.0187**	**1.3200e-003**	**0.0200**		**91.6460**	**91.6460**	**4.5800e-003**		**91.7603**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	5.0500e-003	0.1254	0.0369	2.5000e-004	6.1200e-003	9.5000e-004	7.0800e-003	1.7600e-003	9.1000e-004	2.6800e-003		26.7959	26.7959	2.4100e-003		26.8561
Worker	0.0340	0.0255	0.2338	6.5000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		64.8501	64.8501	2.1700e-003		64.9042
Total	**0.0391**	**0.1510**	**0.2708**	**9.0000e-004**	**0.0700**	**1.3900e-003**	**0.0714**	**0.0187**	**1.3200e-003**	**0.0200**		**91.6460**	**91.6460**	**4.5800e-003**		**91.7603**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**		**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**	**0.0000**	**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433
Unmitigated	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	130.00	135.33	117.65	477,375	477,375
Total	130.00	135.33	117.65	477,375	477,375

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
NaturalGas Unmitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1322.31	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.32231	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133
Unmitigated	20.4680	0.4009	25.6262	0.0446		3.4493	3.4493		3.4493	3.4493	361.0325	153.3429	514.3754	0.3350	0.0284	531.2133

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	19.8951	0.3885	24.5584	0.0445		3.4433	3.4433		3.4433	3.4433	361.0325	151.4118	512.4443	0.3332	0.0284	529.2362
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**20.4679**	**0.4009**	**25.6262**	**0.0446**		**3.4493**	**3.4493**		**3.4493**	**3.4493**	**361.0325**	**153.3429**	**514.3754**	**0.3350**	**0.0284**	**531.2133**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	19.8951	0.3885	24.5584	0.0445		3.4433	3.4433		3.4433	3.4433	361.0325	151.4118	512.4443	0.3332	0.0284	529.2362
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**20.4679**	**0.4009**	**25.6262**	**0.0446**		**3.4493**	**3.4493**		**3.4493**	**3.4493**	**361.0325**	**153.3429**	**514.3754**	**0.3350**	**0.0284**	**531.2133**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 51, M

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	13.00	Dwelling Unit	4.22	23,400.00	37

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Valley Center 51, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblFireplaces	NumberGas	7.15	13.00
tblFireplaces	NumberNoFireplace	1.30	0.00
tblFireplaces	NumberWood	4.55	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	0.65	0.00
tblWoodstoves	NumberNoncatalytic	0.65	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	8.4072	1.8400	1.8834	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.0263	294.0263	0.0242	0.0000	294.6304
Maximum	**8.4072**	**48.2906**	**23.3181**	**0.0404**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,065.0841**	**4,065.0841**	**1.2006**	**0.0000**	**4,095.1000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	8.4072	1.8400	1.8834	3.1000e-003	0.0128	0.1289	0.1416	3.3900e-003	0.1288	0.1322	0.0000	294.0263	294.0263	0.0242	0.0000	294.6304
Maximum	**8.4072**	**48.2906**	**23.3181**	**0.0404**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**4,065.0841**	**4,065.0841**	**1.2006**	**0.0000**	**4,095.1000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433
Total	**0.7375**	**1.0163**	**2.9019**	**0.0106**	**1.0625**	**0.0363**	**1.0988**	**0.2840**	**0.0361**	**0.3201**	**0.0000**	**1,296.1385**	**1,296.1385**	**0.0499**	**7.9000e-003**	**1,299.7409**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072
Energy	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Mobile	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433
Total	**0.7375**	**1.0163**	**2.9019**	**0.0106**	**1.0625**	**0.0363**	**1.0988**	**0.2840**	**0.0361**	**0.3201**	**0.0000**	**1,296.1385**	**1,296.1385**	**0.0499**	**7.9000e-003**	**1,299.7409**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 47,385; Residential Outdoor: 15,795; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	6.2900e-003	4.5700e-003	0.0421	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.5783	12.5783	3.9000e-004		12.5881
Total	**6.2900e-003**	**4.5700e-003**	**0.0421**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**12.5783**	**12.5783**	**3.9000e-004**		**12.5881**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**8.4009**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	6.2900e-003	4.5700e-003	0.0421	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.5783	12.5783	3.9000e-004		12.5881
Total	**6.2900e-003**	**4.5700e-003**	**0.0421**	**1.3000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.3900e-003**	**8.0000e-005**	**3.4700e-003**		**12.5783**	**12.5783**	**3.9000e-004**		**12.5881**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	5.0500e-003	0.1254	0.0369	2.5000e-004	6.1200e-003	9.5000e-004	7.0800e-003	1.7600e-003	9.1000e-004	2.6800e-003		26.7959	26.7959	2.4100e-003		26.8561
Worker	0.0340	0.0255	0.2338	6.5000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		64.8501	64.8501	2.1700e-003		64.9042
Total	**0.0391**	**0.1510**	**0.2708**	**9.0000e-004**	**0.0700**	**1.3900e-003**	**0.0714**	**0.0187**	**1.3200e-003**	**0.0200**		**91.6460**	**91.6460**	**4.5800e-003**		**91.7603**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	5.0500e-003	0.1254	0.0369	2.5000e-004	6.1200e-003	9.5000e-004	7.0800e-003	1.7600e-003	9.1000e-004	2.6800e-003		26.7959	26.7959	2.4100e-003		26.8561
Worker	0.0340	0.0255	0.2338	6.5000e-004	0.0639	4.4000e-004	0.0643	0.0169	4.1000e-004	0.0173		64.8501	64.8501	2.1700e-003		64.9042
Total	**0.0391**	**0.1510**	**0.2708**	**9.0000e-004**	**0.0700**	**1.3900e-003**	**0.0714**	**0.0187**	**1.3200e-003**	**0.0200**		**91.6460**	**91.6460**	**4.5800e-003**		**91.7603**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**		**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4239**	**14.5184**	**12.4333**	**0.0189**		**0.8370**	**0.8370**		**0.7718**	**0.7718**	**0.0000**	**1,872.5505**	**1,872.5505**	**0.5672**		**1,886.7312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433
Unmitigated	0.1252	0.6664	1.6905	8.3800e-003	1.0625	3.0600e-003	1.0656	0.2840	2.8500e-003	0.2868		863.3473	863.3473	0.0398		864.3433

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	130.00	135.33	117.65	477,375	477,375
Total	130.00	135.33	117.65	477,375	477,375

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
NaturalGas Unmitigated	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1322.31	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.32231	0.0143	0.1219	0.0519	7.8000e-004		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003		155.5659	155.5659	2.9800e-003	2.8500e-003	156.4904
Total		**0.0143**	**0.1219**	**0.0519**	**7.8000e-004**		**9.8500e-003**	**9.8500e-003**		**9.8500e-003**	**9.8500e-003**		**155.5659**	**155.5659**	**2.9800e-003**	**2.8500e-003**	**156.4904**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072
Unmitigated	0.5981	0.2280	1.1596	1.4300e-003		0.0234	0.0234		0.0234	0.0234	0.0000	277.2253	277.2253	7.1100e-003	5.0500e-003	278.9072

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0252	0.2157	0.0918	1.3800e-003		0.0174	0.0174		0.0174	0.0174	0.0000	275.2941	275.2941	5.2800e-003	5.0500e-003	276.9301
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**0.5981**	**0.2280**	**1.1596**	**1.4400e-003**		**0.0234**	**0.0234**		**0.0234**	**0.0234**	**0.0000**	**277.2253**	**277.2253**	**7.1200e-003**	**5.0500e-003**	**278.9072**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0252	0.2157	0.0918	1.3800e-003		0.0174	0.0174		0.0174	0.0174	0.0000	275.2941	275.2941	5.2800e-003	5.0500e-003	276.9301
Landscaping	0.0319	0.0123	1.0678	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003		1.9312	1.9312	1.8400e-003		1.9771
Total	**0.5981**	**0.2280**	**1.1596**	**1.4400e-003**		**0.0234**	**0.0234**		**0.0234**	**0.0234**	**0.0000**	**277.2253**	**277.2253**	**7.1200e-003**	**5.0500e-003**	**278.9072**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 57+, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	231.00	Dwelling Unit	75.00	415,800.00	661

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	5/26/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	10/28/2022
tblConstructionPhase	PhaseEndDate	12/31/2017	7/27/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/10/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/11/2023
tblConstructionPhase	PhaseStartDate	1/1/2018	7/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/29/2022
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.9202	24.3727	21.7004	0.0445	1.2132	1.3168	2.5300	0.3252	1.2382	1.5634	0.0000	4,387.8542	4,387.8542	0.7204	0.0000	4,405.8634
2020	2.6299	22.1883	20.9930	0.0440	1.2132	1.1368	2.3500	0.3252	1.0689	1.3942	0.0000	4,309.7931	4,309.7931	0.7058	0.0000	4,327.4379
2021	2.3710	20.1546	20.4362	0.0436	1.2132	0.9706	2.1838	0.3252	0.9125	1.2377	0.0000	4,267.6658	4,267.6658	0.6945	0.0000	4,285.0272
2022	2.1502	18.1838	19.9660	0.0432	1.2132	0.8201	2.0333	0.3252	0.7715	1.0968	0.0000	4,224.0963	4,224.0963	0.7188	0.0000	4,241.2561
2023	34.9552	10.2335	15.0912	0.0246	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,381.9136	2,381.9136	0.7184	0.0000	2,399.8729
Maximum	**34.9552**	**59.6127**	**36.0959**	**0.0648**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,520.8519**	**6,520.8519**	**1.9532**	**0.0000**	**6,569.6814**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.9202	24.3727	21.7004	0.0445	1.2132	1.3168	2.5300	0.3252	1.2382	1.5634	0.0000	4,387.8542	4,387.8542	0.7204	0.0000	4,405.8634
2020	2.6299	22.1883	20.9930	0.0440	1.2132	1.1368	2.3500	0.3252	1.0689	1.3942	0.0000	4,309.7931	4,309.7931	0.7058	0.0000	4,327.4379
2021	2.3710	20.1546	20.4362	0.0436	1.2132	0.9706	2.1838	0.3252	0.9125	1.2377	0.0000	4,267.6658	4,267.6658	0.6945	0.0000	4,285.0272
2022	2.1502	18.1838	19.9660	0.0432	1.2132	0.8201	2.0333	0.3252	0.7715	1.0968	0.0000	4,224.0963	4,224.0963	0.7188	0.0000	4,241.2561
2023	34.9552	10.2335	15.0912	0.0246	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,381.9136	2,381.9136	0.7184	0.0000	2,399.8729
Maximum	**34.9552**	**59.6127**	**36.0959**	**0.0648**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,520.8519**	**6,520.8519**	**1.9532**	**0.0000**	**6,569.6814**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256
Total	**366.2232**	**20.9182**	**487.3997**	**0.9617**	**18.8800**	**61.5201**	**80.4002**	**5.0460**	**61.5164**	**66.5624**	**6,415.2698**	**21,584.8427**	**28,000.1125**	**6.7121**	**0.5553**	**28,333.3906**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256
Total	**366.2232**	**20.9182**	**487.3997**	**0.9617**	**18.8800**	**61.5201**	**80.4002**	**5.0460**	**61.5164**	**66.5624**	**6,415.2698**	**21,584.8427**	**28,000.1125**	**6.7121**	**0.5553**	**28,333.3906**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	2/23/2018	5	40	
2	Grading	Grading	2/24/2018	7/27/2018	5	110	
3	Building Construction	Building Construction	7/28/2018	10/28/2022	5	1110	
4	Paving	Paving	10/29/2022	2/10/2023	5	75	
5	Architectural Coating	Architectural Coating	2/11/2023	5/26/2023	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 841,995; Residential Outdoor: 280,665; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	17.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	25.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1208	3.1357	0.8294	6.4300e-003	0.1531	0.0234	0.1765	0.0441	0.0224	0.0665		688.6279	688.6279	0.0564		690.0366
Worker	0.4888	0.3775	4.1769	0.0115	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,147.1575	1,147.1575	0.0382		1,148.1123
Total	**0.6096**	**3.5131**	**5.0063**	**0.0180**	**1.2132**	**0.0308**	**1.2440**	**0.3252**	**0.0292**	**0.3544**		**1,835.7853**	**1,835.7853**	**0.0945**		**1,838.1489**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1208	3.1357	0.8294	6.4300e-003	0.1531	0.0234	0.1765	0.0441	0.0224	0.0665		688.6279	688.6279	0.0564		690.0366
Worker	0.4888	0.3775	4.1769	0.0115	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,147.1575	1,147.1575	0.0382		1,148.1123
Total	**0.6096**	**3.5131**	**5.0063**	**0.0180**	**1.2132**	**0.0308**	**1.2440**	**0.3252**	**0.0292**	**0.3544**		**1,835.7853**	**1,835.7853**	**0.0945**		**1,838.1489**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1079	2.9562	0.7606	6.3800e-003	0.1531	0.0196	0.1727	0.0441	0.0188	0.0628		683.7047	683.7047	0.0544		685.0656
Worker	0.4511	0.3377	3.7759	0.0112	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,112.5694	1,112.5694	0.0346		1,113.4343
Total	**0.5590**	**3.2939**	**4.5366**	**0.0176**	**1.2132**	**0.0269**	**1.2401**	**0.3252**	**0.0255**	**0.3507**		**1,796.2741**	**1,796.2741**	**0.0890**		**1,798.4999**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1079	2.9562	0.7606	6.3800e-003	0.1531	0.0196	0.1727	0.0441	0.0188	0.0628		683.7047	683.7047	0.0544		685.0656
Worker	0.4511	0.3377	3.7759	0.0112	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,112.5694	1,112.5694	0.0346		1,113.4343
Total	**0.5590**	**3.2939**	**4.5366**	**0.0176**	**1.2132**	**0.0269**	**1.2401**	**0.3252**	**0.0255**	**0.3507**		**1,796.2741**	**1,796.2741**	**0.0890**		**1,798.4999**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0879	2.6973	0.6831	6.3200e-003	0.1531	0.0126	0.1656	0.0441	0.0120	0.0561		679.2929	679.2929	0.0516		680.5827
Worker	0.4221	0.3049	3.4614	0.0108	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,077.4372	1,077.4372	0.0313		1,078.2207
Total	**0.5100**	**3.0023**	**4.1445**	**0.0171**	**1.2132**	**0.0197**	**1.2330**	**0.3252**	**0.0186**	**0.3438**		**1,756.7301**	**1,756.7301**	**0.0829**		**1,758.8034**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0879	2.6973	0.6831	6.3200e-003	0.1531	0.0126	0.1656	0.0441	0.0120	0.0561		679.2929	679.2929	0.0516		680.5827
Worker	0.4221	0.3049	3.4614	0.0108	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,077.4372	1,077.4372	0.0313		1,078.2207
Total	**0.5100**	**3.0023**	**4.1445**	**0.0171**	**1.2132**	**0.0197**	**1.2330**	**0.3252**	**0.0186**	**0.3438**		**1,756.7301**	**1,756.7301**	**0.0829**		**1,758.8034**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0715	2.4451	0.6177	6.2600e-003	0.1531	4.9000e-003	0.1580	0.0441	4.6800e-003	0.0488		673.0782	673.0782	0.0495		674.3149
Worker	0.3986	0.2774	3.2434	0.0105	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		1,041.2236	1,041.2236	0.0290		1,041.9480
Total	**0.4701**	**2.7225**	**3.8610**	**0.0167**	**1.2132**	**0.0119**	**1.2252**	**0.3252**	**0.0112**	**0.3364**		**1,714.3019**	**1,714.3019**	**0.0785**		**1,716.2629**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0715	2.4451	0.6177	6.2600e-003	0.1531	4.9000e-003	0.1580	0.0441	4.6800e-003	0.0488		673.0782	673.0782	0.0495		674.3149
Worker	0.3986	0.2774	3.2434	0.0105	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		1,041.2236	1,041.2236	0.0290		1,041.9480
Total	**0.4701**	**2.7225**	**3.8610**	**0.0167**	**1.2132**	**0.0119**	**1.2252**	**0.3252**	**0.0112**	**0.3364**		**1,714.3019**	**1,714.3019**	**0.0785**		**1,716.2629**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0664	2.3149	0.5843	6.1900e-003	0.1531	4.2100e-003	0.1573	0.0441	4.0300e-003	0.0481		666.7704	666.7704	0.0479		667.9672
Worker	0.3775	0.2532	3.0183	0.0101	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		1,002.9923	1,002.9923	0.0266		1,003.6567
Total	**0.4439**	**2.5681**	**3.6026**	**0.0163**	**1.2132**	**0.0111**	**1.2243**	**0.3252**	**0.0104**	**0.3356**		**1,669.7627**	**1,669.7627**	**0.0745**		**1,671.6239**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0664	2.3149	0.5843	6.1900e-003	0.1531	4.2100e-003	0.1573	0.0441	4.0300e-003	0.0481		666.7704	666.7704	0.0479		667.9672
Worker	0.3775	0.2532	3.0183	0.0101	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		1,002.9923	1,002.9923	0.0266		1,003.6567
Total	**0.4439**	**2.5681**	**3.6026**	**0.0163**	**1.2132**	**0.0111**	**1.2243**	**0.3252**	**0.0104**	**0.3356**		**1,669.7627**	**1,669.7627**	**0.0745**		**1,671.6239**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0682	0.0458	0.5455	1.8200e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		181.2637	181.2637	4.8000e-003		181.3837
Total	**0.0682**	**0.0458**	**0.5455**	**1.8200e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**181.2637**	**181.2637**	**4.8000e-003**		**181.3837**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0682	0.0458	0.5455	1.8200e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		181.2637	181.2637	4.8000e-003		181.3837
Total	**0.0682**	**0.0458**	**0.5455**	**1.8200e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**181.2637**	**181.2637**	**4.8000e-003**		**181.3837**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0647	0.0418	0.5070	1.7500e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		174.3294	174.3294	4.4000e-003		174.4394
Total	**0.0647**	**0.0418**	**0.5070**	**1.7500e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**174.3294**	**174.3294**	**4.4000e-003**		**174.4394**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0647	0.0418	0.5070	1.7500e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		174.3294	174.3294	4.4000e-003		174.4394
Total	**0.0647**	**0.0418**	**0.5070**	**1.7500e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**174.3294**	**174.3294**	**4.4000e-003**		**174.4394**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0733	0.0474	0.5746	1.9800e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		197.5733	197.5733	4.9800e-003		197.6979
Total	**0.0733**	**0.0474**	**0.5746**	**1.9800e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**197.5733**	**197.5733**	**4.9800e-003**		**197.6979**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0733	0.0474	0.5746	1.9800e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		197.5733	197.5733	4.9800e-003		197.6979
Total	**0.0733**	**0.0474**	**0.5746**	**1.9800e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**197.5733**	**197.5733**	**4.9800e-003**		**197.6979**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256
Unmitigated	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,310.00	2,404.71	2090.55	8,482,580	8,482,580
Total	2,310.00	2,404.71	2,090.55	8,482,580	8,482,580

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
NaturalGas Unmitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23496.4	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23.4964	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519
Unmitigated	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	353.5212	6.9039	436.3836	0.7906		61.1851	61.1851		61.1851	61.1851	6,415.2698	2,690.4706	9,105.7404	5.9202	0.5046	9,404.1197
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**363.6997**	**7.1229**	**455.3576**	**0.7916**		**61.2908**	**61.2908**		**61.2908**	**61.2908**	**6,415.2698**	**2,724.7862**	**9,140.0560**	**5.9529**	**0.5046**	**9,439.2519**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	353.5212	6.9039	436.3836	0.7906		61.1851	61.1851		61.1851	61.1851	6,415.2698	2,690.4706	9,105.7404	5.9202	0.5046	9,404.1197
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**363.6997**	**7.1229**	**455.3576**	**0.7916**		**61.2908**	**61.2908**		**61.2908**	**61.2908**	**6,415.2698**	**2,724.7862**	**9,140.0560**	**5.9529**	**0.5046**	**9,439.2519**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 57+, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	231.00	Dwelling Unit	75.00	415,800.00	661

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Valley Center 57+, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	5/26/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	10/28/2022
tblConstructionPhase	PhaseEndDate	12/31/2017	7/27/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/10/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/11/2023
tblConstructionPhase	PhaseStartDate	1/1/2018	7/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/29/2022
tblFireplaces	NumberGas	127.05	231.00
tblFireplaces	NumberNoFireplace	23.10	0.00
tblFireplaces	NumberWood	80.85	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	11.55	0.00
tblWoodstoves	NumberNoncatalytic	11.55	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.9202	24.3727	21.7004	0.0445	1.2132	1.3168	2.5300	0.3252	1.2382	1.5634	0.0000	4,387.8542	4,387.8542	0.7204	0.0000	4,405.8634
2020	2.6299	22.1883	20.9930	0.0440	1.2132	1.1368	2.3500	0.3252	1.0689	1.3942	0.0000	4,309.7931	4,309.7931	0.7058	0.0000	4,327.4379
2021	2.3710	20.1546	20.4362	0.0436	1.2132	0.9706	2.1838	0.3252	0.9125	1.2377	0.0000	4,267.6658	4,267.6658	0.6945	0.0000	4,285.0272
2022	2.1502	18.1838	19.9660	0.0432	1.2132	0.8201	2.0333	0.3252	0.7715	1.0968	0.0000	4,224.0963	4,224.0963	0.7188	0.0000	4,241.2561
2023	34.9552	10.2335	15.0912	0.0246	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,381.9136	2,381.9136	0.7184	0.0000	2,399.8729
Maximum	**34.9552**	**59.6127**	**36.0959**	**0.0648**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,520.8519**	**6,520.8519**	**1.9532**	**0.0000**	**6,569.6814**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.9202	24.3727	21.7004	0.0445	1.2132	1.3168	2.5300	0.3252	1.2382	1.5634	0.0000	4,387.8542	4,387.8542	0.7204	0.0000	4,405.8634
2020	2.6299	22.1883	20.9930	0.0440	1.2132	1.1368	2.3500	0.3252	1.0689	1.3942	0.0000	4,309.7931	4,309.7931	0.7058	0.0000	4,327.4379
2021	2.3710	20.1546	20.4362	0.0436	1.2132	0.9706	2.1838	0.3252	0.9125	1.2377	0.0000	4,267.6658	4,267.6658	0.6945	0.0000	4,285.0272
2022	2.1502	18.1838	19.9660	0.0432	1.2132	0.8201	2.0333	0.3252	0.7715	1.0968	0.0000	4,224.0963	4,224.0963	0.7188	0.0000	4,241.2561
2023	34.9552	10.2335	15.0912	0.0246	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,381.9136	2,381.9136	0.7184	0.0000	2,399.8729
Maximum	**34.9552**	**59.6127**	**36.0959**	**0.0648**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,520.8519**	**6,520.8519**	**1.9532**	**0.0000**	**6,569.6814**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256
Total	**13.1504**	**17.8462**	**52.6467**	**0.1956**	**18.8800**	**0.6448**	**19.5249**	**5.0460**	**0.6411**	**5.6871**	**0.0000**	**23,786.1368**	**23,786.1368**	**0.8856**	**0.1404**	**23,850.1049**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256
Total	**13.1504**	**17.8462**	**52.6467**	**0.1956**	**18.8800**	**0.6448**	**19.5249**	**5.0460**	**0.6411**	**5.6871**	**0.0000**	**23,786.1368**	**23,786.1368**	**0.8856**	**0.1404**	**23,850.1049**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	2/23/2018	5	40	
2	Grading	Grading	2/24/2018	7/27/2018	5	110	
3	Building Construction	Building Construction	7/28/2018	10/28/2022	5	1110	
4	Paving	Paving	10/29/2022	2/10/2023	5	75	
5	Architectural Coating	Architectural Coating	2/11/2023	5/26/2023	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 841,995; Residential Outdoor: 280,665; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	17.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	25.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	**0.1178**	**0.0910**	**1.0065**	**2.7800e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**276.4235**	**276.4235**	**9.2000e-003**		**276.6536**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1208	3.1357	0.8294	6.4300e-003	0.1531	0.0234	0.1765	0.0441	0.0224	0.0665		688.6279	688.6279	0.0564		690.0366
Worker	0.4888	0.3775	4.1769	0.0115	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,147.1575	1,147.1575	0.0382		1,148.1123
Total	**0.6096**	**3.5131**	**5.0063**	**0.0180**	**1.2132**	**0.0308**	**1.2440**	**0.3252**	**0.0292**	**0.3544**		**1,835.7853**	**1,835.7853**	**0.0945**		**1,838.1489**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1208	3.1357	0.8294	6.4300e-003	0.1531	0.0234	0.1765	0.0441	0.0224	0.0665		688.6279	688.6279	0.0564		690.0366
Worker	0.4888	0.3775	4.1769	0.0115	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,147.1575	1,147.1575	0.0382		1,148.1123
Total	**0.6096**	**3.5131**	**5.0063**	**0.0180**	**1.2132**	**0.0308**	**1.2440**	**0.3252**	**0.0292**	**0.3544**		**1,835.7853**	**1,835.7853**	**0.0945**		**1,838.1489**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1079	2.9562	0.7606	6.3800e-003	0.1531	0.0196	0.1727	0.0441	0.0188	0.0628		683.7047	683.7047	0.0544		685.0656
Worker	0.4511	0.3377	3.7759	0.0112	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,112.5694	1,112.5694	0.0346		1,113.4343
Total	**0.5590**	**3.2939**	**4.5366**	**0.0176**	**1.2132**	**0.0269**	**1.2401**	**0.3252**	**0.0255**	**0.3507**		**1,796.2741**	**1,796.2741**	**0.0890**		**1,798.4999**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1079	2.9562	0.7606	6.3800e-003	0.1531	0.0196	0.1727	0.0441	0.0188	0.0628		683.7047	683.7047	0.0544		685.0656
Worker	0.4511	0.3377	3.7759	0.0112	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,112.5694	1,112.5694	0.0346		1,113.4343
Total	**0.5590**	**3.2939**	**4.5366**	**0.0176**	**1.2132**	**0.0269**	**1.2401**	**0.3252**	**0.0255**	**0.3507**		**1,796.2741**	**1,796.2741**	**0.0890**		**1,798.4999**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0879	2.6973	0.6831	6.3200e-003	0.1531	0.0126	0.1656	0.0441	0.0120	0.0561		679.2929	679.2929	0.0516		680.5827
Worker	0.4221	0.3049	3.4614	0.0108	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,077.4372	1,077.4372	0.0313		1,078.2207
Total	**0.5100**	**3.0023**	**4.1445**	**0.0171**	**1.2132**	**0.0197**	**1.2330**	**0.3252**	**0.0186**	**0.3438**		**1,756.7301**	**1,756.7301**	**0.0829**		**1,758.8034**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0879	2.6973	0.6831	6.3200e-003	0.1531	0.0126	0.1656	0.0441	0.0120	0.0561		679.2929	679.2929	0.0516		680.5827
Worker	0.4221	0.3049	3.4614	0.0108	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,077.4372	1,077.4372	0.0313		1,078.2207
Total	**0.5100**	**3.0023**	**4.1445**	**0.0171**	**1.2132**	**0.0197**	**1.2330**	**0.3252**	**0.0186**	**0.3438**		**1,756.7301**	**1,756.7301**	**0.0829**		**1,758.8034**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0715	2.4451	0.6177	6.2600e-003	0.1531	4.9000e-003	0.1580	0.0441	4.6800e-003	0.0488		673.0782	673.0782	0.0495		674.3149
Worker	0.3986	0.2774	3.2434	0.0105	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		1,041.2236	1,041.2236	0.0290		1,041.9480
Total	**0.4701**	**2.7225**	**3.8610**	**0.0167**	**1.2132**	**0.0119**	**1.2252**	**0.3252**	**0.0112**	**0.3364**		**1,714.3019**	**1,714.3019**	**0.0785**		**1,716.2629**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0715	2.4451	0.6177	6.2600e-003	0.1531	4.9000e-003	0.1580	0.0441	4.6800e-003	0.0488		673.0782	673.0782	0.0495		674.3149
Worker	0.3986	0.2774	3.2434	0.0105	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		1,041.2236	1,041.2236	0.0290		1,041.9480
Total	**0.4701**	**2.7225**	**3.8610**	**0.0167**	**1.2132**	**0.0119**	**1.2252**	**0.3252**	**0.0112**	**0.3364**		**1,714.3019**	**1,714.3019**	**0.0785**		**1,716.2629**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0664	2.3149	0.5843	6.1900e-003	0.1531	4.2100e-003	0.1573	0.0441	4.0300e-003	0.0481		666.7704	666.7704	0.0479		667.9672
Worker	0.3775	0.2532	3.0183	0.0101	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		1,002.9923	1,002.9923	0.0266		1,003.6567
Total	**0.4439**	**2.5681**	**3.6026**	**0.0163**	**1.2132**	**0.0111**	**1.2243**	**0.3252**	**0.0104**	**0.3356**		**1,669.7627**	**1,669.7627**	**0.0745**		**1,671.6239**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0664	2.3149	0.5843	6.1900e-003	0.1531	4.2100e-003	0.1573	0.0441	4.0300e-003	0.0481		666.7704	666.7704	0.0479		667.9672
Worker	0.3775	0.2532	3.0183	0.0101	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		1,002.9923	1,002.9923	0.0266		1,003.6567
Total	**0.4439**	**2.5681**	**3.6026**	**0.0163**	**1.2132**	**0.0111**	**1.2243**	**0.3252**	**0.0104**	**0.3356**		**1,669.7627**	**1,669.7627**	**0.0745**		**1,671.6239**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0682	0.0458	0.5455	1.8200e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		181.2637	181.2637	4.8000e-003		181.3837
Total	**0.0682**	**0.0458**	**0.5455**	**1.8200e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**181.2637**	**181.2637**	**4.8000e-003**		**181.3837**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0682	0.0458	0.5455	1.8200e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		181.2637	181.2637	4.8000e-003		181.3837
Total	**0.0682**	**0.0458**	**0.5455**	**1.8200e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**181.2637**	**181.2637**	**4.8000e-003**		**181.3837**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0647	0.0418	0.5070	1.7500e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		174.3294	174.3294	4.4000e-003		174.4394
Total	**0.0647**	**0.0418**	**0.5070**	**1.7500e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**174.3294**	**174.3294**	**4.4000e-003**		**174.4394**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0647	0.0418	0.5070	1.7500e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		174.3294	174.3294	4.4000e-003		174.4394
Total	**0.0647**	**0.0418**	**0.5070**	**1.7500e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**174.3294**	**174.3294**	**4.4000e-003**		**174.4394**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0733	0.0474	0.5746	1.9800e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		197.5733	197.5733	4.9800e-003		197.6979
Total	**0.0733**	**0.0474**	**0.5746**	**1.9800e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**197.5733**	**197.5733**	**4.9800e-003**		**197.6979**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0733	0.0474	0.5746	1.9800e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		197.5733	197.5733	4.9800e-003		197.6979
Total	**0.0733**	**0.0474**	**0.5746**	**1.9800e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**197.5733**	**197.5733**	**4.9800e-003**		**197.6979**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256
Unmitigated	2.2702	11.6300	31.1207	0.1563	18.8800	0.0542	18.9343	5.0460	0.0505	5.0965		16,095.7701	16,095.7701	0.7062		16,113.4256

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,310.00	2,404.71	2090.55	8,482,580	8,482,580
Total	2,310.00	2,404.71	2,090.55	8,482,580	8,482,580

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
NaturalGas Unmitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23496.4	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23.4964	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662
Unmitigated	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4484	3.8319	1.6306	0.0245		0.3098	0.3098		0.3098	0.3098	0.0000	4,891.7647	4,891.7647	0.0938	0.0897	4,920.8340
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**10.6268**	**4.0509**	**20.6047**	**0.0255**		**0.4155**	**0.4155**		**0.4155**	**0.4155**	**0.0000**	**4,926.0803**	**4,926.0803**	**0.1264**	**0.0897**	**4,955.9662**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4484	3.8319	1.6306	0.0245		0.3098	0.3098		0.3098	0.3098	0.0000	4,891.7647	4,891.7647	0.0938	0.0897	4,920.8340
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**10.6268**	**4.0509**	**20.6047**	**0.0255**		**0.4155**	**0.4155**		**0.4155**	**0.4155**	**0.0000**	**4,926.0803**	**4,926.0803**	**0.1264**	**0.0897**	**4,955.9662**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 57+, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	231.00	Dwelling Unit	75.00	415,800.00	661

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	5/26/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	10/28/2022
tblConstructionPhase	PhaseEndDate	12/31/2017	7/27/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/10/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/11/2023
tblConstructionPhase	PhaseStartDate	1/1/2018	7/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/29/2022
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.9961	24.4115	21.5067	0.0436	1.2132	1.3171	2.5304	0.3252	1.2386	1.5638	0.0000	4,300.4907	4,300.4907	0.7219	0.0000	4,318.5389
2020	2.7016	22.2190	20.8074	0.0432	1.2132	1.1370	2.3503	0.3252	1.0692	1.3944	0.0000	4,224.4260	4,224.4260	0.7073	0.0000	4,242.1070
2021	2.4394	20.1781	20.2543	0.0428	1.2132	0.9708	2.1840	0.3252	0.9127	1.2379	0.0000	4,184.6274	4,184.6274	0.6958	0.0000	4,202.0236
2022	2.2160	18.2032	19.7924	0.0424	1.2132	0.8203	2.0335	0.3252	0.7717	1.0969	0.0000	4,143.5041	4,143.5041	0.7185	0.0000	4,160.6975
2023	34.9675	10.2385	15.0494	0.0244	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,371.1756	2,371.1756	0.7181	0.0000	2,389.1278
Maximum	**34.9675**	**59.6239**	**36.0248**	**0.0646**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,503.8287**	**6,503.8287**	**1.9527**	**0.0000**	**6,552.6447**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.9961	24.4115	21.5067	0.0436	1.2132	1.3171	2.5304	0.3252	1.2386	1.5638	0.0000	4,300.4907	4,300.4907	0.7219	0.0000	4,318.5389
2020	2.7016	22.2190	20.8074	0.0432	1.2132	1.1370	2.3503	0.3252	1.0692	1.3944	0.0000	4,224.4260	4,224.4260	0.7073	0.0000	4,242.1070
2021	2.4394	20.1781	20.2543	0.0428	1.2132	0.9708	2.1840	0.3252	0.9127	1.2379	0.0000	4,184.6274	4,184.6274	0.6958	0.0000	4,202.0236
2022	2.2160	18.2032	19.7924	0.0424	1.2132	0.8203	2.0335	0.3252	0.7717	1.0969	0.0000	4,143.5041	4,143.5041	0.7185	0.0000	4,160.6975
2023	34.9675	10.2385	15.0494	0.0244	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,371.1756	2,371.1756	0.7181	0.0000	2,389.1278
Maximum	**34.9675**	**59.6239**	**36.0248**	**0.0646**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,503.8287**	**6,503.8287**	**1.9527**	**0.0000**	**6,552.6447**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157
Total	**366.1770**	**21.1302**	**486.3175**	**0.9543**	**18.8800**	**61.5202**	**80.4002**	**5.0460**	**61.5165**	**66.5625**	**6,415.2698**	**20,830.0902**	**27,245.3600**	**6.7138**	**0.5553**	**27,578.6807**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157
Total	**366.1770**	**21.1302**	**486.3175**	**0.9543**	**18.8800**	**61.5202**	**80.4002**	**5.0460**	**61.5165**	**66.5625**	**6,415.2698**	**20,830.0902**	**27,245.3600**	**6.7138**	**0.5553**	**27,578.6807**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	2/23/2018	5	40	
2	Grading	Grading	2/24/2018	7/27/2018	5	110	
3	Building Construction	Building Construction	7/28/2018	10/28/2022	5	1110	
4	Paving	Paving	10/29/2022	2/10/2023	5	75	
5	Architectural Coating	Architectural Coating	2/11/2023	5/26/2023	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 841,995; Residential Outdoor: 280,665; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	17.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	25.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1262	3.1357	0.9227	6.2600e-003	0.1531	0.0239	0.1769	0.0441	0.0228	0.0669		669.8980	669.8980	0.0602		671.4021
Worker	0.5646	0.4237	3.8818	0.0108	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,076.5112	1,076.5112	0.0360		1,077.4103
Total	**0.6908**	**3.5594**	**4.8045**	**0.0171**	**1.2132**	**0.0312**	**1.2444**	**0.3252**	**0.0296**	**0.3548**		**1,746.4092**	**1,746.4092**	**0.0961**		**1,748.8124**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1262	3.1357	0.9227	6.2600e-003	0.1531	0.0239	0.1769	0.0441	0.0228	0.0669		669.8980	669.8980	0.0602		671.4021
Worker	0.5646	0.4237	3.8818	0.0108	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,076.5112	1,076.5112	0.0360		1,077.4103
Total	**0.6908**	**3.5594**	**4.8045**	**0.0171**	**1.2132**	**0.0312**	**1.2444**	**0.3252**	**0.0296**	**0.3548**		**1,746.4092**	**1,746.4092**	**0.0961**		**1,748.8124**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1128	2.9537	0.8481	6.2000e-003	0.1531	0.0200	0.1731	0.0441	0.0191	0.0632		664.9137	664.9137	0.0581		666.3659
Worker	0.5222	0.3790	3.4948	0.0105	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,043.9968	1,043.9968	0.0325		1,044.8094
Total	**0.6349**	**3.3327**	**4.3429**	**0.0167**	**1.2132**	**0.0273**	**1.2405**	**0.3252**	**0.0258**	**0.3511**		**1,708.9106**	**1,708.9106**	**0.0906**		**1,711.1754**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1128	2.9537	0.8481	6.2000e-003	0.1531	0.0200	0.1731	0.0441	0.0191	0.0632		664.9137	664.9137	0.0581		666.3659
Worker	0.5222	0.3790	3.4948	0.0105	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,043.9968	1,043.9968	0.0325		1,044.8094
Total	**0.6349**	**3.3327**	**4.3429**	**0.0167**	**1.2132**	**0.0273**	**1.2405**	**0.3252**	**0.0258**	**0.3511**		**1,708.9106**	**1,708.9106**	**0.0906**		**1,711.1754**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0923	2.6908	0.7624	6.1500e-003	0.1531	0.0128	0.1659	0.0441	0.0123	0.0563		660.3483	660.3483	0.0550		661.7231
Worker	0.4895	0.3422	3.1965	0.0101	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,011.0147	1,011.0147	0.0294		1,011.7494
Total	**0.5818**	**3.0329**	**3.9589**	**0.0163**	**1.2132**	**0.0200**	**1.2332**	**0.3252**	**0.0189**	**0.3441**		**1,671.3629**	**1,671.3629**	**0.0844**		**1,673.4725**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0923	2.6908	0.7624	6.1500e-003	0.1531	0.0128	0.1659	0.0441	0.0123	0.0563		660.3483	660.3483	0.0550		661.7231
Worker	0.4895	0.3422	3.1965	0.0101	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,011.0147	1,011.0147	0.0294		1,011.7494
Total	**0.5818**	**3.0329**	**3.9589**	**0.0163**	**1.2132**	**0.0200**	**1.2332**	**0.3252**	**0.0189**	**0.3441**		**1,671.3629**	**1,671.3629**	**0.0844**		**1,673.4725**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0755	2.4348	0.6917	6.0800e-003	0.1531	5.1100e-003	0.1582	0.0441	4.8900e-003	0.0490		654.2466	654.2466	0.0527		655.5641
Worker	0.4629	0.3112	2.9874	9.8000e-003	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		977.0169	977.0169	0.0271		977.6952
Total	**0.5384**	**2.7460**	**3.6791**	**0.0159**	**1.2132**	**0.0122**	**1.2254**	**0.3252**	**0.0114**	**0.3366**		**1,631.2635**	**1,631.2635**	**0.0798**		**1,633.2593**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0755	2.4348	0.6917	6.0800e-003	0.1531	5.1100e-003	0.1582	0.0441	4.8900e-003	0.0490		654.2466	654.2466	0.0527		655.5641
Worker	0.4629	0.3112	2.9874	9.8000e-003	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		977.0169	977.0169	0.0271		977.6952
Total	**0.5384**	**2.7460**	**3.6791**	**0.0159**	**1.2132**	**0.0122**	**1.2254**	**0.3252**	**0.0114**	**0.3366**		**1,631.2635**	**1,631.2635**	**0.0798**		**1,633.2593**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0702	2.3036	0.6541	6.0200e-003	0.1531	4.4000e-003	0.1575	0.0441	4.2100e-003	0.0483		647.9925	647.9925	0.0509		649.2658
Worker	0.4396	0.2840	2.7749	9.4400e-003	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		941.1781	941.1781	0.0249		941.7994
Total	**0.5098**	**2.5875**	**3.4290**	**0.0155**	**1.2132**	**0.0113**	**1.2245**	**0.3252**	**0.0106**	**0.3358**		**1,589.1706**	**1,589.1706**	**0.0758**		**1,591.0653**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0702	2.3036	0.6541	6.0200e-003	0.1531	4.4000e-003	0.1575	0.0441	4.2100e-003	0.0483		647.9925	647.9925	0.0509		649.2658
Worker	0.4396	0.2840	2.7749	9.4400e-003	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		941.1781	941.1781	0.0249		941.7994
Total	**0.5098**	**2.5875**	**3.4290**	**0.0155**	**1.2132**	**0.0113**	**1.2245**	**0.3252**	**0.0106**	**0.3358**		**1,589.1706**	**1,589.1706**	**0.0758**		**1,591.0653**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0794	0.0513	0.5015	1.7100e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		170.0924	170.0924	4.4900e-003		170.2047
Total	**0.0794**	**0.0513**	**0.5015**	**1.7100e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**170.0924**	**170.0924**	**4.4900e-003**		**170.2047**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0794	0.0513	0.5015	1.7100e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		170.0924	170.0924	4.4900e-003		170.2047
Total	**0.0794**	**0.0513**	**0.5015**	**1.7100e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**170.0924**	**170.0924**	**4.4900e-003**		**170.2047**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0756	0.0469	0.4652	1.6400e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		163.5915	163.5915	4.1100e-003		163.6942
Total	**0.0756**	**0.0469**	**0.4652**	**1.6400e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**163.5915**	**163.5915**	**4.1100e-003**		**163.6942**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0756	0.0469	0.4652	1.6400e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		163.5915	163.5915	4.1100e-003		163.6942
Total	**0.0756**	**0.0469**	**0.4652**	**1.6400e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**163.5915**	**163.5915**	**4.1100e-003**		**163.6942**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0857	0.0531	0.5272	1.8600e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		185.4037	185.4037	4.6600e-003		185.5201
Total	**0.0857**	**0.0531**	**0.5272**	**1.8600e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**185.4037**	**185.4037**	**4.6600e-003**		**185.5201**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0857	0.0531	0.5272	1.8600e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		185.4037	185.4037	4.6600e-003		185.5201
Total	**0.0857**	**0.0531**	**0.5272**	**1.8600e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**185.4037**	**185.4037**	**4.6600e-003**		**185.5201**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157
Unmitigated	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,310.00	2,404.71	2090.55	8,482,580	8,482,580
Total	2,310.00	2,404.71	2,090.55	8,482,580	8,482,580

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
NaturalGas Unmitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23496.4	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23.4964	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519
Unmitigated	363.6997	7.1229	455.3576	0.7916		61.2908	61.2908		61.2908	61.2908	6,415.2698	2,724.7862	9,140.0560	5.9529	0.5046	9,439.2519

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	353.5212	6.9039	436.3836	0.7906		61.1851	61.1851		61.1851	61.1851	6,415.2698	2,690.4706	9,105.7404	5.9202	0.5046	9,404.1197
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**363.6997**	**7.1229**	**455.3576**	**0.7916**		**61.2908**	**61.2908**		**61.2908**	**61.2908**	**6,415.2698**	**2,724.7862**	**9,140.0560**	**5.9529**	**0.5046**	**9,439.2519**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	353.5212	6.9039	436.3836	0.7906		61.1851	61.1851		61.1851	61.1851	6,415.2698	2,690.4706	9,105.7404	5.9202	0.5046	9,404.1197
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**363.6997**	**7.1229**	**455.3576**	**0.7916**		**61.2908**	**61.2908**		**61.2908**	**61.2908**	**6,415.2698**	**2,724.7862**	**9,140.0560**	**5.9529**	**0.5046**	**9,439.2519**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 57+, M

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	231.00	Dwelling Unit	75.00	415,800.00	661

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Valley Center 57+, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	5/26/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	10/28/2022
tblConstructionPhase	PhaseEndDate	12/31/2017	7/27/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/10/2023
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/11/2023
tblConstructionPhase	PhaseStartDate	1/1/2018	7/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/29/2022
tblFireplaces	NumberGas	127.05	231.00
tblFireplaces	NumberNoFireplace	23.10	0.00
tblFireplaces	NumberWood	80.85	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	11.55	0.00
tblWoodstoves	NumberNoncatalytic	11.55	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.9961	24.4115	21.5067	0.0436	1.2132	1.3171	2.5304	0.3252	1.2386	1.5638	0.0000	4,300.4907	4,300.4907	0.7219	0.0000	4,318.5389
2020	2.7016	22.2190	20.8074	0.0432	1.2132	1.1370	2.3503	0.3252	1.0692	1.3944	0.0000	4,224.4260	4,224.4260	0.7073	0.0000	4,242.1070
2021	2.4394	20.1781	20.2543	0.0428	1.2132	0.9708	2.1840	0.3252	0.9127	1.2379	0.0000	4,184.6274	4,184.6274	0.6958	0.0000	4,202.0236
2022	2.2160	18.2032	19.7924	0.0424	1.2132	0.8203	2.0335	0.3252	0.7717	1.0969	0.0000	4,143.5041	4,143.5041	0.7185	0.0000	4,160.6975
2023	34.9675	10.2385	15.0494	0.0244	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,371.1756	2,371.1756	0.7181	0.0000	2,389.1278
Maximum	**34.9675**	**59.6239**	**36.0248**	**0.0646**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,503.8287**	**6,503.8287**	**1.9527**	**0.0000**	**6,552.6447**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.9961	24.4115	21.5067	0.0436	1.2132	1.3171	2.5304	0.3252	1.2386	1.5638	0.0000	4,300.4907	4,300.4907	0.7219	0.0000	4,318.5389
2020	2.7016	22.2190	20.8074	0.0432	1.2132	1.1370	2.3503	0.3252	1.0692	1.3944	0.0000	4,224.4260	4,224.4260	0.7073	0.0000	4,242.1070
2021	2.4394	20.1781	20.2543	0.0428	1.2132	0.9708	2.1840	0.3252	0.9127	1.2379	0.0000	4,184.6274	4,184.6274	0.6958	0.0000	4,202.0236
2022	2.2160	18.2032	19.7924	0.0424	1.2132	0.8203	2.0335	0.3252	0.7717	1.0969	0.0000	4,143.5041	4,143.5041	0.7185	0.0000	4,160.6975
2023	34.9675	10.2385	15.0494	0.0244	0.2171	0.5114	0.7030	0.0576	0.4705	0.5213	0.0000	2,371.1756	2,371.1756	0.7181	0.0000	2,389.1278
Maximum	**34.9675**	**59.6239**	**36.0248**	**0.0646**	**18.2962**	**2.6355**	**20.8747**	**9.9917**	**2.4247**	**12.3639**	**0.0000**	**6,503.8287**	**6,503.8287**	**1.9527**	**0.0000**	**6,552.6447**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157
Total	**13.1042**	**18.0583**	**51.5645**	**0.1881**	**18.8800**	**0.6449**	**19.5249**	**5.0460**	**0.6412**	**5.6871**	**0.0000**	**23,031.3844**	**23,031.3844**	**0.8873**	**0.1404**	**23,095.3950**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662
Energy	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Mobile	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157
Total	**13.1042**	**18.0583**	**51.5645**	**0.1881**	**18.8800**	**0.6449**	**19.5249**	**5.0460**	**0.6412**	**5.6871**	**0.0000**	**23,031.3844**	**23,031.3844**	**0.8873**	**0.1404**	**23,095.3950**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	2/23/2018	5	40	
2	Grading	Grading	2/24/2018	7/27/2018	5	110	
3	Building Construction	Building Construction	7/28/2018	10/28/2022	5	1110	
4	Paving	Paving	10/29/2022	2/10/2023	5	75	
5	Architectural Coating	Architectural Coating	2/11/2023	5/26/2023	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 841,995; Residential Outdoor: 280,665; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	17.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	25.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	**0.1361**	**0.1021**	**0.9354**	**2.6000e-003**	**0.2555**	**1.7700e-003**	**0.2572**	**0.0678**	**1.6300e-003**	**0.0694**		**259.4003**	**259.4003**	**8.6700e-003**		**259.6169**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1262	3.1357	0.9227	6.2600e-003	0.1531	0.0239	0.1769	0.0441	0.0228	0.0669		669.8980	669.8980	0.0602		671.4021
Worker	0.5646	0.4237	3.8818	0.0108	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,076.5112	1,076.5112	0.0360		1,077.4103
Total	**0.6908**	**3.5594**	**4.8045**	**0.0171**	**1.2132**	**0.0312**	**1.2444**	**0.3252**	**0.0296**	**0.3548**		**1,746.4092**	**1,746.4092**	**0.0961**		**1,748.8124**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1262	3.1357	0.9227	6.2600e-003	0.1531	0.0239	0.1769	0.0441	0.0228	0.0669		669.8980	669.8980	0.0602		671.4021
Worker	0.5646	0.4237	3.8818	0.0108	1.0602	7.3400e-003	1.0675	0.2811	6.7700e-003	0.2879		1,076.5112	1,076.5112	0.0360		1,077.4103
Total	**0.6908**	**3.5594**	**4.8045**	**0.0171**	**1.2132**	**0.0312**	**1.2444**	**0.3252**	**0.0296**	**0.3548**		**1,746.4092**	**1,746.4092**	**0.0961**		**1,748.8124**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1128	2.9537	0.8481	6.2000e-003	0.1531	0.0200	0.1731	0.0441	0.0191	0.0632		664.9137	664.9137	0.0581		666.3659
Worker	0.5222	0.3790	3.4948	0.0105	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,043.9968	1,043.9968	0.0325		1,044.8094
Total	**0.6349**	**3.3327**	**4.3429**	**0.0167**	**1.2132**	**0.0273**	**1.2405**	**0.3252**	**0.0258**	**0.3511**		**1,708.9106**	**1,708.9106**	**0.0906**		**1,711.1754**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1128	2.9537	0.8481	6.2000e-003	0.1531	0.0200	0.1731	0.0441	0.0191	0.0632		664.9137	664.9137	0.0581		666.3659
Worker	0.5222	0.3790	3.4948	0.0105	1.0602	7.2700e-003	1.0674	0.2811	6.7000e-003	0.2878		1,043.9968	1,043.9968	0.0325		1,044.8094
Total	**0.6349**	**3.3327**	**4.3429**	**0.0167**	**1.2132**	**0.0273**	**1.2405**	**0.3252**	**0.0258**	**0.3511**		**1,708.9106**	**1,708.9106**	**0.0906**		**1,711.1754**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0923	2.6908	0.7624	6.1500e-003	0.1531	0.0128	0.1659	0.0441	0.0123	0.0563		660.3483	660.3483	0.0550		661.7231
Worker	0.4895	0.3422	3.1965	0.0101	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,011.0147	1,011.0147	0.0294		1,011.7494
Total	**0.5818**	**3.0329**	**3.9589**	**0.0163**	**1.2132**	**0.0200**	**1.2332**	**0.3252**	**0.0189**	**0.3441**		**1,671.3629**	**1,671.3629**	**0.0844**		**1,673.4725**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0923	2.6908	0.7624	6.1500e-003	0.1531	0.0128	0.1659	0.0441	0.0123	0.0563		660.3483	660.3483	0.0550		661.7231
Worker	0.4895	0.3422	3.1965	0.0101	1.0602	7.1500e-003	1.0673	0.2811	6.5900e-003	0.2877		1,011.0147	1,011.0147	0.0294		1,011.7494
Total	**0.5818**	**3.0329**	**3.9589**	**0.0163**	**1.2132**	**0.0200**	**1.2332**	**0.3252**	**0.0189**	**0.3441**		**1,671.3629**	**1,671.3629**	**0.0844**		**1,673.4725**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0755	2.4348	0.6917	6.0800e-003	0.1531	5.1100e-003	0.1582	0.0441	4.8900e-003	0.0490		654.2466	654.2466	0.0527		655.5641
Worker	0.4629	0.3112	2.9874	9.8000e-003	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		977.0169	977.0169	0.0271		977.6952
Total	**0.5384**	**2.7460**	**3.6791**	**0.0159**	**1.2132**	**0.0122**	**1.2254**	**0.3252**	**0.0114**	**0.3366**		**1,631.2635**	**1,631.2635**	**0.0798**		**1,633.2593**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0755	2.4348	0.6917	6.0800e-003	0.1531	5.1100e-003	0.1582	0.0441	4.8900e-003	0.0490		654.2466	654.2466	0.0527		655.5641
Worker	0.4629	0.3112	2.9874	9.8000e-003	1.0602	7.0400e-003	1.0672	0.2811	6.4900e-003	0.2876		977.0169	977.0169	0.0271		977.6952
Total	**0.5384**	**2.7460**	**3.6791**	**0.0159**	**1.2132**	**0.0122**	**1.2254**	**0.3252**	**0.0114**	**0.3366**		**1,631.2635**	**1,631.2635**	**0.0798**		**1,633.2593**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0702	2.3036	0.6541	6.0200e-003	0.1531	4.4000e-003	0.1575	0.0441	4.2100e-003	0.0483		647.9925	647.9925	0.0509		649.2658
Worker	0.4396	0.2840	2.7749	9.4400e-003	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		941.1781	941.1781	0.0249		941.7994
Total	**0.5098**	**2.5875**	**3.4290**	**0.0155**	**1.2132**	**0.0113**	**1.2245**	**0.3252**	**0.0106**	**0.3358**		**1,589.1706**	**1,589.1706**	**0.0758**		**1,591.0653**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.0702	2.3036	0.6541	6.0200e-003	0.1531	4.4000e-003	0.1575	0.0441	4.2100e-003	0.0483		647.9925	647.9925	0.0509		649.2658
Worker	0.4396	0.2840	2.7749	9.4400e-003	1.0602	6.8900e-003	1.0671	0.2811	6.3400e-003	0.2875		941.1781	941.1781	0.0249		941.7994
Total	**0.5098**	**2.5875**	**3.4290**	**0.0155**	**1.2132**	**0.0113**	**1.2245**	**0.3252**	**0.0106**	**0.3358**		**1,589.1706**	**1,589.1706**	**0.0758**		**1,591.0653**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0794	0.0513	0.5015	1.7100e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		170.0924	170.0924	4.4900e-003		170.2047
Total	**0.0794**	**0.0513**	**0.5015**	**1.7100e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**170.0924**	**170.0924**	**4.4900e-003**		**170.2047**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0794	0.0513	0.5015	1.7100e-003	0.1916	1.2400e-003	0.1928	0.0508	1.1500e-003	0.0520		170.0924	170.0924	4.4900e-003		170.2047
Total	**0.0794**	**0.0513**	**0.5015**	**1.7100e-003**	**0.1916**	**1.2400e-003**	**0.1928**	**0.0508**	**1.1500e-003**	**0.0520**		**170.0924**	**170.0924**	**4.4900e-003**		**170.2047**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0756	0.0469	0.4652	1.6400e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		163.5915	163.5915	4.1100e-003		163.6942
Total	**0.0756**	**0.0469**	**0.4652**	**1.6400e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**163.5915**	**163.5915**	**4.1100e-003**		**163.6942**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0756	0.0469	0.4652	1.6400e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519		163.5915	163.5915	4.1100e-003		163.6942
Total	**0.0756**	**0.0469**	**0.4652**	**1.6400e-003**	**0.1916**	**1.2200e-003**	**0.1928**	**0.0508**	**1.1200e-003**	**0.0519**		**163.5915**	**163.5915**	**4.1100e-003**		**163.6942**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0857	0.0531	0.5272	1.8600e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		185.4037	185.4037	4.6600e-003		185.5201
Total	**0.0857**	**0.0531**	**0.5272**	**1.8600e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**185.4037**	**185.4037**	**4.6600e-003**		**185.5201**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**34.8819**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0857	0.0531	0.5272	1.8600e-003	0.2171	1.3800e-003	0.2185	0.0576	1.2700e-003	0.0589		185.4037	185.4037	4.6600e-003		185.5201
Total	**0.0857**	**0.0531**	**0.5272**	**1.8600e-003**	**0.2171**	**1.3800e-003**	**0.2185**	**0.0576**	**1.2700e-003**	**0.0589**		**185.4037**	**185.4037**	**4.6600e-003**		**185.5201**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157
Unmitigated	2.2240	11.8420	30.0384	0.1488	18.8800	0.0543	18.9344	5.0460	0.0506	5.0966		15,341.0177	15,341.0177	0.7079		15,358.7157

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,310.00	2,404.71	2090.55	8,482,580	8,482,580
Total	2,310.00	2,404.71	2,090.55	8,482,580	8,482,580

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
NaturalGas Unmitigated	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23496.4	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	23.4964	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.2864	2,764.2864	0.0530	0.0507	2,780.7131
Total		**0.2534**	**2.1654**	**0.9214**	**0.0138**		**0.1751**	**0.1751**		**0.1751**	**0.1751**		**2,764.2864**	**2,764.2864**	**0.0530**	**0.0507**	**2,780.7131**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662
Unmitigated	10.6268	4.0509	20.6047	0.0255		0.4155	0.4155		0.4155	0.4155	0.0000	4,926.0803	4,926.0803	0.1264	0.0897	4,955.9662

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4484	3.8319	1.6306	0.0245		0.3098	0.3098		0.3098	0.3098	0.0000	4,891.7647	4,891.7647	0.0938	0.0897	4,920.8340
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**10.6268**	**4.0509**	**20.6047**	**0.0255**		**0.4155**	**0.4155**		**0.4155**	**0.4155**	**0.0000**	**4,926.0803**	**4,926.0803**	**0.1264**	**0.0897**	**4,955.9662**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4484	3.8319	1.6306	0.0245		0.3098	0.3098		0.3098	0.3098	0.0000	4,891.7647	4,891.7647	0.0938	0.0897	4,920.8340
Landscaping	0.5675	0.2190	18.9741	1.0100e-003		0.1057	0.1057		0.1057	0.1057		34.3156	34.3156	0.0327		35.1322
Total	**10.6268**	**4.0509**	**20.6047**	**0.0255**		**0.4155**	**0.4155**		**0.4155**	**0.4155**	**0.0000**	**4,926.0803**	**4,926.0803**	**0.1264**	**0.0897**	**4,955.9662**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 67, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	283.14	1000sqft	6.50	283,140.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	24.8436	0.0539	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	5,396.9792	5,396.9792	1.2006	0.0000	5,417.0889
2019	66.0351	15.3126	15.2964	0.0247	0.3066	0.8259	1.0175	0.0813	0.7598	0.8106	0.0000	2,445.6766	2,445.6766	0.7200	0.0000	2,463.6758
Maximum	**66.0351**	**48.2906**	**24.8436**	**0.0539**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**5,396.9792**	**5,396.9792**	**1.2006**	**0.0000**	**5,417.0889**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	24.8436	0.0539	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	5,396.9792	5,396.9792	1.2006	0.0000	5,417.0889
2019	66.0351	15.3126	15.2964	0.0247	0.3066	0.8259	1.0175	0.0813	0.7598	0.8106	0.0000	2,445.6766	2,445.6766	0.7200	0.0000	2,463.6758
Maximum	**66.0351**	**48.2906**	**24.8436**	**0.0539**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**5,396.9792**	**5,396.9792**	**1.2006**	**0.0000**	**5,417.0889**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Energy	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Mobile	1.8735	9.9155	25.5498	0.1272	16.1760	0.0464	16.2224	4.3233	0.0432	4.3665		13,113.6353	13,113.6353	0.6029		13,128.7068
Total	**8.5673**	**12.3920**	**27.6586**	**0.1421**	**16.1760**	**0.2347**	**16.4107**	**4.3233**	**0.2315**	**4.5548**		**16,085.1843**	**16,085.1843**	**0.6600**	**0.0545**	**16,117.9178**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Energy	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Mobile	1.8735	9.9155	25.5498	0.1272	16.1760	0.0464	16.2224	4.3233	0.0432	4.3665		13,113.6353	13,113.6353	0.6029		13,128.7068
Total	**8.5673**	**12.3920**	**27.6586**	**0.1421**	**16.1760**	**0.2347**	**16.4107**	**4.3233**	**0.2315**	**4.5548**		**16,085.1843**	**16,085.1843**	**0.6600**	**0.0545**	**16,117.9178**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 424,710; Non-Residential Outdoor: 141,570; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	24.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	119.00	46.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**65.8841**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1510	0.1096	1.0105	3.0300e-003	0.3066	2.1000e-003	0.3087	0.0813	1.9400e-003	0.0832		301.8786	301.8786	9.4000e-003		302.1136
Total	**0.1510**	**0.1096**	**1.0105**	**3.0300e-003**	**0.3066**	**2.1000e-003**	**0.3087**	**0.0813**	**1.9400e-003**	**0.0832**		**301.8786**	**301.8786**	**9.4000e-003**		**302.1136**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**65.8841**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1510	0.1096	1.0105	3.0300e-003	0.3066	2.1000e-003	0.3087	0.0813	1.9400e-003	0.0832		301.8786	301.8786	9.4000e-003		302.1136
Total	**0.1510**	**0.1096**	**1.0105**	**3.0300e-003**	**0.3066**	**2.1000e-003**	**0.3087**	**0.0813**	**1.9400e-003**	**0.0832**		**301.8786**	**301.8786**	**9.4000e-003**		**302.1136**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.2322	5.7697	1.6977	0.0115	0.2817	0.0439	0.3256	0.0811	0.0420	0.1231		1,232.6124	1,232.6124	0.1107		1,235.3798
Worker	0.8096	0.6075	5.5655	0.0155	1.5200	0.0105	1.5305	0.4031	9.7000e-003	0.4128		1,543.4317	1,543.4317	0.0516		1,544.7208
Total	**1.0417**	**6.3772**	**7.2632**	**0.0270**	**1.8017**	**0.0544**	**1.8561**	**0.4842**	**0.0517**	**0.5359**		**2,776.0441**	**2,776.0441**	**0.1623**		**2,780.1006**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.2322	5.7697	1.6977	0.0115	0.2817	0.0439	0.3256	0.0811	0.0420	0.1231		1,232.6124	1,232.6124	0.1107		1,235.3798
Worker	0.8096	0.6075	5.5655	0.0155	1.5200	0.0105	1.5305	0.4031	9.7000e-003	0.4128		1,543.4317	1,543.4317	0.0516		1,544.7208
Total	**1.0417**	**6.3772**	**7.2632**	**0.0270**	**1.8017**	**0.0544**	**1.8561**	**0.4842**	**0.0517**	**0.5359**		**2,776.0441**	**2,776.0441**	**0.1623**		**2,780.1006**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	**0.1020**	**0.0766**	**0.7015**	**1.9500e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**194.5502**	**194.5502**	**6.5000e-003**		**194.7127**

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	**0.0944**	**0.0685**	**0.6316**	**1.8900e-003**	**0.1916**	**1.3100e-003**	**0.1929**	**0.0508**	**1.2100e-003**	**0.0520**		**188.6741**	**188.6741**	**5.8700e-003**		**188.8210**

3.5 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	**0.0944**	**0.0685**	**0.6316**	**1.8900e-003**	**0.1916**	**1.3100e-003**	**0.1929**	**0.0508**	**1.2100e-003**	**0.0520**		**188.6741**	**188.6741**	**5.8700e-003**		**188.8210**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	**0.1225**	**0.0919**	**0.8418**	**2.3400e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**233.4603**	**233.4603**	**7.8000e-003**		**233.6553**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8735	9.9155	25.5498	0.1272	16.1760	0.0464	16.2224	4.3233	0.0432	4.3665		13,113.6353	13,113.6353	0.6029		13,128.7068
Unmitigated	1.8735	9.9155	25.5498	0.1272	16.1760	0.0464	16.2224	4.3233	0.0432	4.3665		13,113.6353	13,113.6353	0.6029		13,128.7068

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,973.49	373.74	192.54	5,758,611	5,758,611
Total	1,973.49	373.74	192.54	5,758,611	5,758,611

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
NaturalGas Unmitigated	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	25257.6	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Total		**0.2724**	**2.4762**	**2.0800**	**0.0149**		**0.1882**	**0.1882**		**0.1882**	**0.1882**		**2,971.4870**	**2,971.4870**	**0.0570**	**0.0545**	**2,989.1451**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	25.2576	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Total		**0.2724**	**2.4762**	**2.0800**	**0.0149**		**0.1882**	**0.1882**		**0.1882**	**0.1882**		**2,971.4870**	**2,971.4870**	**0.0570**	**0.0545**	**2,989.1451**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Unmitigated	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6300e-003	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Total	**6.4214**	**2.6000e-004**	**0.0287**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**		**0.0620**	**0.0620**	**1.6000e-004**		**0.0660**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6300e-003	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Total	**6.4214**	**2.6000e-004**	**0.0287**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**		**0.0620**	**0.0620**	**1.6000e-004**		**0.0660**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 67, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	283.14	1000sqft	6.50	283,140.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	25.0950	0.0553	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	5,532.7301	5,532.7301	1.2011	0.0000	5,552.7444
2019	66.0146	15.3051	15.3472	0.0248	0.3066	0.8259	1.0175	0.0813	0.7598	0.8106	0.0000	2,458.0692	2,458.0692	0.7203	0.0000	2,476.0778
Maximum	**66.0146**	**48.2806**	**25.0950**	**0.0553**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**5,532.7301**	**5,532.7301**	**1.2011**	**0.0000**	**5,552.7444**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	25.0950	0.0553	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	5,532.7301	5,532.7301	1.2011	0.0000	5,552.7444
2019	66.0146	15.3051	15.3472	0.0248	0.3066	0.8259	1.0175	0.0813	0.7598	0.8106	0.0000	2,458.0692	2,458.0692	0.7203	0.0000	2,476.0778
Maximum	**66.0146**	**48.2806**	**25.0950**	**0.0553**	**18.2962**	**2.5785**	**20.8747**	**9.9917**	**2.3722**	**12.3639**	**0.0000**	**5,532.7301**	**5,532.7301**	**1.2011**	**0.0000**	**5,552.7444**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Energy	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Mobile	1.9120	9.7294	26.5133	0.1336	16.1760	0.0463	16.2223	4.3233	0.0431	4.3664		13,756.8389	13,756.8389	0.6019		13,771.8851
Total	**8.6058**	**12.2059**	**28.6221**	**0.1485**	**16.1760**	**0.2346**	**16.4106**	**4.3233**	**0.2314**	**4.5547**		**16,728.3878**	**16,728.3878**	**0.6590**	**0.0545**	**16,761.0961**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Energy	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Mobile	1.9120	9.7294	26.5133	0.1336	16.1760	0.0463	16.2223	4.3233	0.0431	4.3664		13,756.8389	13,756.8389	0.6019		13,771.8851
Total	**8.6058**	**12.2059**	**28.6221**	**0.1485**	**16.1760**	**0.2346**	**16.4106**	**4.3233**	**0.2314**	**4.5547**		**16,728.3878**	**16,728.3878**	**0.6590**	**0.0545**	**16,761.0961**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 424,710; Non-Residential Outdoor: 141,570; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	24.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	119.00	46.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**65.8841**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1305	0.0976	1.0918	3.2300e-003	0.3066	2.1000e-003	0.3087	0.0813	1.9400e-003	0.0832		321.7068	321.7068	0.0100		321.9569
Total	**0.1305**	**0.0976**	**1.0918**	**3.2300e-003**	**0.3066**	**2.1000e-003**	**0.3087**	**0.0813**	**1.9400e-003**	**0.0832**		**321.7068**	**321.7068**	**0.0100**		**321.9569**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**65.8841**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1305	0.0976	1.0918	3.2300e-003	0.3066	2.1000e-003	0.3087	0.0813	1.9400e-003	0.0832		321.7068	321.7068	0.0100		321.9569
Total	**0.1305**	**0.0976**	**1.0918**	**3.2300e-003**	**0.3066**	**2.1000e-003**	**0.3087**	**0.0813**	**1.9400e-003**	**0.0832**		**321.7068**	**321.7068**	**0.0100**		**321.9569**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.2223	5.7697	1.5261	0.0118	0.2817	0.0431	0.3248	0.0811	0.0413	0.1224		1,267.0753	1,267.0753	0.1037		1,269.6674
Worker	0.7008	0.5412	5.9885	0.0165	1.5200	0.0105	1.5305	0.4031	9.7000e-003	0.4128		1,644.7197	1,644.7197	0.0548		1,646.0887
Total	**0.9231**	**6.3108**	**7.5146**	**0.0284**	**1.8017**	**0.0536**	**1.8553**	**0.4842**	**0.0510**	**0.5351**		**2,911.7950**	**2,911.7950**	**0.1585**		**2,915.7561**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.2223	5.7697	1.5261	0.0118	0.2817	0.0431	0.3248	0.0811	0.0413	0.1224		1,267.0753	1,267.0753	0.1037		1,269.6674
Worker	0.7008	0.5412	5.9885	0.0165	1.5200	0.0105	1.5305	0.4031	9.7000e-003	0.4128		1,644.7197	1,644.7197	0.0548		1,646.0887
Total	**0.9231**	**6.3108**	**7.5146**	**0.0284**	**1.8017**	**0.0536**	**1.8553**	**0.4842**	**0.0510**	**0.5351**		**2,911.7950**	**2,911.7950**	**0.1585**		**2,915.7561**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	**0.0883**	**0.0682**	**0.7549**	**2.0800e-003**	**0.1916**	**1.3300e-003**	**0.1929**	**0.0508**	**1.2200e-003**	**0.0520**		**207.3176**	**207.3176**	**6.9000e-003**		**207.4902**

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	**0.0815**	**0.0610**	**0.6824**	**2.0200e-003**	**0.1916**	**1.3100e-003**	**0.1929**	**0.0508**	**1.2100e-003**	**0.0520**		**201.0668**	**201.0668**	**6.2500e-003**		**201.2231**

3.5 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	**0.0815**	**0.0610**	**0.6824**	**2.0200e-003**	**0.1916**	**1.3100e-003**	**0.1929**	**0.0508**	**1.2100e-003**	**0.0520**		**201.0668**	**201.0668**	**6.2500e-003**		**201.2231**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	**0.1060**	**0.0819**	**0.9058**	**2.5000e-003**	**0.2299**	**1.5900e-003**	**0.2315**	**0.0610**	**1.4700e-003**	**0.0624**		**248.7811**	**248.7811**	**8.2800e-003**		**248.9882**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9120	9.7294	26.5133	0.1336	16.1760	0.0463	16.2223	4.3233	0.0431	4.3664		13,756.8389	13,756.8389	0.6019		13,771.8851
Unmitigated	1.9120	9.7294	26.5133	0.1336	16.1760	0.0463	16.2223	4.3233	0.0431	4.3664		13,756.8389	13,756.8389	0.6019		13,771.8851

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,973.49	373.74	192.54	5,758,611	5,758,611
Total	1,973.49	373.74	192.54	5,758,611	5,758,611

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
NaturalGas Unmitigated	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	25257.6	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Total		**0.2724**	**2.4762**	**2.0800**	**0.0149**		**0.1882**	**0.1882**		**0.1882**	**0.1882**		**2,971.4870**	**2,971.4870**	**0.0570**	**0.0545**	**2,989.1451**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	25.2576	0.2724	2.4762	2.0800	0.0149		0.1882	0.1882		0.1882	0.1882		2,971.4870	2,971.4870	0.0570	0.0545	2,989.1451
Total		**0.2724**	**2.4762**	**2.0800**	**0.0149**		**0.1882**	**0.1882**		**0.1882**	**0.1882**		**2,971.4870**	**2,971.4870**	**0.0570**	**0.0545**	**2,989.1451**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Unmitigated	6.4214	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6300e-003	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Total	**6.4214**	**2.6000e-004**	**0.0287**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**		**0.0620**	**0.0620**	**1.6000e-004**		**0.0660**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6300e-003	2.6000e-004	0.0287	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0620	0.0620	1.6000e-004		0.0660
Total	**6.4214**	**2.6000e-004**	**0.0287**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**		**0.0620**	**0.0620**	**1.6000e-004**		**0.0660**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Champagne Gardens Specific Plan, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	10.06	55,800.00	89
General Office Building	117.61	1000sqft	2.70	117,612.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	45.0200	24.0648	19.4161	0.0375	0.5582	1.3126	1.8708	0.1516	1.2343	1.3859	0.0000	3,698.8162	3,698.8162	0.7183	0.0000	3,716.2541
Maximum	**45.0200**	**59.5831**	**35.7740**	**0.0638**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,423.8733**	**6,423.8733**	**1.9501**	**0.0000**	**6,472.6262**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	45.0200	24.0648	19.4161	0.0375	0.5582	1.3126	1.8708	0.1516	1.2343	1.3859	0.0000	3,698.8162	3,698.8162	0.7183	0.0000	3,716.2541
Maximum	**45.0200**	**59.5831**	**35.7740**	**0.0638**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,423.8733**	**6,423.8733**	**1.9501**	**0.0000**	**6,472.6262**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2287	6.6984	14.9864	0.0726	8.5321	0.0255	8.5576	2.2803	0.0238	2.3041		7,480.7808	7,480.7808	0.3390		7,489.2547
Total	**52.7504**	**8.0552**	**76.3232**	**0.1813**	**8.5321**	**8.2826**	**16.8147**	**2.2803**	**8.2809**	**10.5612**	**860.9237**	**8,349.7370**	**9,210.6607**	**1.1475**	**0.0770**	**9,262.2786**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2287	6.6984	14.9864	0.0726	8.5321	0.0255	8.5576	2.2803	0.0238	2.3041		7,480.7808	7,480.7808	0.3390		7,489.2547
Total	**52.7504**	**8.0552**	**76.3232**	**0.1813**	**8.5321**	**8.2826**	**16.8147**	**2.2803**	**8.2809**	**10.5612**	**860.9237**	**8,349.7370**	**9,210.6607**	**1.1475**	**0.0770**	**9,262.2786**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 112,995; Residential Outdoor: 37,665; Non-Residential Indoor: 176,418; Non-Residential Outdoor: 58,806; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	49.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0393	0.0274	0.3094	8.7000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0393**	**0.0274**	**0.3094**	**8.7000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**87.0200**	**87.0200**	**2.7800e-003**		**87.0894**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0393	0.0274	0.3094	8.7000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0393**	**0.0274**	**0.3094**	**8.7000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**87.0200**	**87.0200**	**2.7800e-003**		**87.0894**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1186	3.0303	0.8025	6.4100e-003	0.1557	0.0237	0.1794	0.0448	0.0227	0.0675		685.8367	685.8367	0.0544		687.1956
Worker	0.2086	0.1502	1.6774	4.4200e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		439.6400	439.6400	0.0150		440.0161
Total	**0.3272**	**3.1805**	**2.4799**	**0.0108**	**0.5582**	**0.0266**	**0.5848**	**0.1516**	**0.0253**	**0.1769**		**1,125.4767**	**1,125.4767**	**0.0694**		**1,127.2117**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1186	3.0303	0.8025	6.4100e-003	0.1557	0.0237	0.1794	0.0448	0.0227	0.0675		685.8367	685.8367	0.0544		687.1956
Worker	0.2086	0.1502	1.6774	4.4200e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		439.6400	439.6400	0.0150		440.0161
Total	**0.3272**	**3.1805**	**2.4799**	**0.0108**	**0.5582**	**0.0266**	**0.5848**	**0.1516**	**0.0253**	**0.1769**		**1,125.4767**	**1,125.4767**	**0.0694**		**1,127.2117**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1059	2.8517	0.7362	6.3500e-003	0.1557	0.0198	0.1755	0.0448	0.0190	0.0638		680.8383	680.8383	0.0526		682.1524
Worker	0.1924	0.1343	1.5161	4.2800e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		426.3978	426.3978	0.0136		426.7382
Total	**0.2983**	**2.9860**	**2.2523**	**0.0106**	**0.5582**	**0.0227**	**0.5809**	**0.1516**	**0.0216**	**0.1732**		**1,107.2361**	**1,107.2361**	**0.0662**		**1,108.8906**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1059	2.8517	0.7362	6.3500e-003	0.1557	0.0198	0.1755	0.0448	0.0190	0.0638		680.8383	680.8383	0.0526		682.1524
Worker	0.1924	0.1343	1.5161	4.2800e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		426.3978	426.3978	0.0136		426.7382
Total	**0.2983**	**2.9860**	**2.2523**	**0.0106**	**0.5582**	**0.0227**	**0.5809**	**0.1516**	**0.0216**	**0.1732**		**1,107.2361**	**1,107.2361**	**0.0662**		**1,108.8906**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	**0.0851**	**0.0613**	**0.6847**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**179.4449**	**179.4449**	**6.1400e-003**		**179.5984**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	**0.0851**	**0.0613**	**0.6847**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**179.4449**	**179.4449**	**6.1400e-003**		**179.5984**

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	**0.0589**	**0.0411**	**0.4641**	**1.3100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**130.5300**	**130.5300**	**4.1700e-003**		**130.6342**

3.5 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	**0.0589**	**0.0411**	**0.4641**	**1.3100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**130.5300**	**130.5300**	**4.1700e-003**		**130.6342**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	**0.0766**	**0.0552**	**0.6162**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**161.5004**	**161.5004**	**5.5300e-003**		**161.6386**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	**0.0766**	**0.0552**	**0.6162**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**161.5004**	**161.5004**	**5.5300e-003**		**161.6386**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2287	6.6984	14.9864	0.0726	8.5321	0.0255	8.5576	2.2803	0.0238	2.3041		7,480.7808	7,480.7808	0.3390		7,489.2547
Unmitigated	1.2287	6.6984	14.9864	0.0726	8.5321	0.0255	8.5576	2.2803	0.0238	2.3041		7,480.7808	7,480.7808	0.3390		7,489.2547

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,297.26	289.33	123.49	2,355,313	2,355,313
Single Family Housing	310.00	322.71	280.55	878,316	878,316
Total	1,607.26	612.04	404.04	3,233,629	3,233,629

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
NaturalGas Unmitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1124.56	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3153.2	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.12456	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3.1532	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668
Unmitigated	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.4422	0.9265	58.5623	0.1061		8.2110	8.2110		8.2110	8.2110	860.9237	361.0588	1,221.9825	0.7945	0.0677	1,262.0247
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**51.4755**	**0.9560**	**61.1205**	**0.1062**		**8.2252**	**8.2252**		**8.2252**	**8.2252**	**860.9237**	**365.6897**	**1,226.6133**	**0.7989**	**0.0677**	**1,266.7668**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.4422	0.9265	58.5623	0.1061		8.2110	8.2110		8.2110	8.2110	860.9237	361.0588	1,221.9825	0.7945	0.0677	1,262.0247
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**51.4755**	**0.9560**	**61.1205**	**0.1062**		**8.2252**	**8.2252**		**8.2252**	**8.2252**	**860.9237**	**365.6897**	**1,226.6133**	**0.7989**	**0.0677**	**1,266.7668**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Champagne Gardens Specific Plan, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	10.06	55,800.00	89
General Office Building	117.61	1000sqft	2.70	117,612.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Champagne Gardens Specific Plan, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	17.05	31.00
tblFireplaces	NumberNoFireplace	3.10	0.00
tblFireplaces	NumberWood	10.85	0.00
tblLandUse	BuildingSpaceSquareFeet	117,610.00	117,612.00
tblLandUse	LandUseSquareFeet	117,610.00	117,612.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.55	0.00
tblWoodstoves	NumberNoncatalytic	1.55	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	45.0200	24.0648	19.4161	0.0375	0.5582	1.3126	1.8708	0.1516	1.2343	1.3859	0.0000	3,698.8162	3,698.8162	0.7183	0.0000	3,716.2541
Maximum	**45.0200**	**59.5831**	**35.7740**	**0.0638**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,423.8733**	**6,423.8733**	**1.9501**	**0.0000**	**6,472.6262**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	45.0200	24.0648	19.4161	0.0375	0.5582	1.3126	1.8708	0.1516	1.2343	1.3859	0.0000	3,698.8162	3,698.8162	0.7183	0.0000	3,716.2541
Maximum	**45.0200**	**59.5831**	**35.7740**	**0.0638**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,423.8733**	**6,423.8733**	**1.9501**	**0.0000**	**6,472.6262**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2287	6.6983	14.9862	0.0726	8.5320	0.0255	8.5575	2.2803	0.0238	2.3041		7,480.6824	7,480.6824	0.3390		7,489.1562
Total	**5.3683**	**7.6428**	**17.9795**	**0.0785**	**8.5320**	**0.1132**	**8.6452**	**2.2803**	**0.1115**	**2.3918**	**0.0000**	**8,645.0504**	**8,645.0504**	**0.3656**	**0.0213**	**8,660.5271**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2287	6.6983	14.9862	0.0726	8.5320	0.0255	8.5575	2.2803	0.0238	2.3041		7,480.6824	7,480.6824	0.3390		7,489.1562
Total	**5.3683**	**7.6428**	**17.9795**	**0.0785**	**8.5320**	**0.1132**	**8.6452**	**2.2803**	**0.1115**	**2.3918**	**0.0000**	**8,645.0504**	**8,645.0504**	**0.3656**	**0.0213**	**8,660.5271**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 112,995; Residential Outdoor: 37,665; Non-Residential Indoor: 176,418; Non-Residential Outdoor: 58,806; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	49.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0393	0.0274	0.3094	8.7000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0393**	**0.0274**	**0.3094**	**8.7000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**87.0200**	**87.0200**	**2.7800e-003**		**87.0894**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0393	0.0274	0.3094	8.7000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0393**	**0.0274**	**0.3094**	**8.7000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**87.0200**	**87.0200**	**2.7800e-003**		**87.0894**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1186	3.0303	0.8025	6.4100e-003	0.1557	0.0237	0.1794	0.0448	0.0227	0.0675		685.8367	685.8367	0.0544		687.1956
Worker	0.2086	0.1502	1.6774	4.4200e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		439.6400	439.6400	0.0150		440.0161
Total	**0.3272**	**3.1805**	**2.4799**	**0.0108**	**0.5582**	**0.0266**	**0.5848**	**0.1516**	**0.0253**	**0.1769**		**1,125.4767**	**1,125.4767**	**0.0694**		**1,127.2117**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1186	3.0303	0.8025	6.4100e-003	0.1557	0.0237	0.1794	0.0448	0.0227	0.0675		685.8367	685.8367	0.0544		687.1956
Worker	0.2086	0.1502	1.6774	4.4200e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		439.6400	439.6400	0.0150		440.0161
Total	**0.3272**	**3.1805**	**2.4799**	**0.0108**	**0.5582**	**0.0266**	**0.5848**	**0.1516**	**0.0253**	**0.1769**		**1,125.4767**	**1,125.4767**	**0.0694**		**1,127.2117**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1059	2.8517	0.7362	6.3500e-003	0.1557	0.0198	0.1755	0.0448	0.0190	0.0638		680.8383	680.8383	0.0526		682.1524
Worker	0.1924	0.1343	1.5161	4.2800e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		426.3978	426.3978	0.0136		426.7382
Total	**0.2983**	**2.9860**	**2.2523**	**0.0106**	**0.5582**	**0.0227**	**0.5809**	**0.1516**	**0.0216**	**0.1732**		**1,107.2361**	**1,107.2361**	**0.0662**		**1,108.8906**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1059	2.8517	0.7362	6.3500e-003	0.1557	0.0198	0.1755	0.0448	0.0190	0.0638		680.8383	680.8383	0.0526		682.1524
Worker	0.1924	0.1343	1.5161	4.2800e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		426.3978	426.3978	0.0136		426.7382
Total	**0.2983**	**2.9860**	**2.2523**	**0.0106**	**0.5582**	**0.0227**	**0.5809**	**0.1516**	**0.0216**	**0.1732**		**1,107.2361**	**1,107.2361**	**0.0662**		**1,108.8906**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	**0.0851**	**0.0613**	**0.6847**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**179.4449**	**179.4449**	**6.1400e-003**		**179.5984**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	**0.0851**	**0.0613**	**0.6847**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**179.4449**	**179.4449**	**6.1400e-003**		**179.5984**

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	**0.0589**	**0.0411**	**0.4641**	**1.3100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**130.5300**	**130.5300**	**4.1700e-003**		**130.6342**

3.5 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	**0.0589**	**0.0411**	**0.4641**	**1.3100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**130.5300**	**130.5300**	**4.1700e-003**		**130.6342**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	**0.0766**	**0.0552**	**0.6162**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**161.5004**	**161.5004**	**5.5300e-003**		**161.6386**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	**0.0766**	**0.0552**	**0.6162**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**161.5004**	**161.5004**	**5.5300e-003**		**161.6386**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2287	6.6983	14.9862	0.0726	8.5320	0.0255	8.5575	2.2803	0.0238	2.3041		7,480.6824	7,480.6824	0.3390		7,489.1562
Unmitigated	1.2287	6.6983	14.9862	0.0726	8.5320	0.0255	8.5575	2.2803	0.0238	2.3041		7,480.6824	7,480.6824	0.3390		7,489.1562

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,297.24	289.32	123.49	2,355,273	2,355,273
Single Family Housing	310.00	322.71	280.55	878,316	878,316
Total	1,607.24	612.03	404.04	3,233,589	3,233,589

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
NaturalGas Unmitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1124.56	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3153.2	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.12456	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3.1532	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138
Unmitigated	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0602	0.5142	0.2188	3.2800e-003		0.0416	0.0416		0.0416	0.0416	0.0000	656.4706	656.4706	0.0126	0.0120	660.3717
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**4.0935**	**0.5437**	**2.7771**	**3.4200e-003**		**0.0558**	**0.0558**		**0.0558**	**0.0558**	**0.0000**	**661.1015**	**661.1015**	**0.0170**	**0.0120**	**665.1138**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0602	0.5142	0.2188	3.2800e-003		0.0416	0.0416		0.0416	0.0416	0.0000	656.4706	656.4706	0.0126	0.0120	660.3717
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**4.0935**	**0.5437**	**2.7771**	**3.4200e-003**		**0.0558**	**0.0558**		**0.0558**	**0.0558**	**0.0000**	**661.1015**	**661.1015**	**0.0170**	**0.0120**	**665.1138**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Champagne Gardens Specific Plan, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	10.06	55,800.00	89
General Office Building	117.61	1000sqft	2.70	117,612.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Champagne Gardens Specific Plan, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	45.0252	24.0836	19.4128	0.0371	0.5582	1.3129	1.8712	0.1516	1.2347	1.3863	0.0000	3,655.4185	3,655.4185	0.7180	0.0000	3,672.9227
Maximum	**45.0252**	**59.5906**	**35.7388**	**0.0637**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,412.8939**	**6,412.8939**	**1.9498**	**0.0000**	**6,461.6392**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	45.0252	24.0836	19.4128	0.0371	0.5582	1.3129	1.8712	0.1516	1.2347	1.3863	0.0000	3,655.4185	3,655.4185	0.7180	0.0000	3,672.9227
Maximum	**45.0252**	**59.5906**	**35.7388**	**0.0637**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,412.8939**	**6,412.8939**	**1.9498**	**0.0000**	**6,461.6392**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2011	6.7674	14.7201	0.0690	8.5321	0.0256	8.5577	2.2803	0.0238	2.3042		7,118.4918	7,118.4918	0.3425		7,127.0535
Total	**52.7227**	**8.1242**	**76.0569**	**0.1777**	**8.5321**	**8.2827**	**16.8148**	**2.2803**	**8.2809**	**10.5612**	**860.9237**	**7,987.4480**	**8,848.3716**	**1.1511**	**0.0770**	**8,900.0775**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2011	6.7674	14.7201	0.0690	8.5321	0.0256	8.5577	2.2803	0.0238	2.3042		7,118.4918	7,118.4918	0.3425		7,127.0535
Total	**52.7227**	**8.1242**	**76.0569**	**0.1777**	**8.5321**	**8.2827**	**16.8148**	**2.2803**	**8.2809**	**10.5612**	**860.9237**	**7,987.4480**	**8,848.3716**	**1.1511**	**0.0770**	**8,900.0775**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 112,995; Residential Outdoor: 37,665; Non-Residential Indoor: 176,418; Non-Residential Outdoor: 58,806; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	49.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0444	0.0308	0.2924	8.2000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0444**	**0.0308**	**0.2924**	**8.2000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**81.6914**	**81.6914**	**2.6400e-003**		**81.7573**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0444	0.0308	0.2924	8.2000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0444**	**0.0308**	**0.2924**	**8.2000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**81.6914**	**81.6914**	**2.6400e-003**		**81.7573**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1236	3.0355	0.8878	6.2500e-003	0.1557	0.0241	0.1798	0.0448	0.0231	0.0679		668.6053	668.6053	0.0579		670.0517
Worker	0.2356	0.1687	1.5912	4.1500e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		412.7404	412.7404	0.0143		413.0980
Total	**0.3592**	**3.2042**	**2.4790**	**0.0104**	**0.5582**	**0.0270**	**0.5852**	**0.1516**	**0.0257**	**0.1773**		**1,081.3456**	**1,081.3456**	**0.0722**		**1,083.1496**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1236	3.0355	0.8878	6.2500e-003	0.1557	0.0241	0.1798	0.0448	0.0231	0.0679		668.6053	668.6053	0.0579		670.0517
Worker	0.2356	0.1687	1.5912	4.1500e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		412.7404	412.7404	0.0143		413.0980
Total	**0.3592**	**3.2042**	**2.4790**	**0.0104**	**0.5582**	**0.0270**	**0.5852**	**0.1516**	**0.0257**	**0.1773**		**1,081.3456**	**1,081.3456**	**0.0722**		**1,083.1496**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1104	2.8540	0.8163	6.1900e-003	0.1557	0.0202	0.1759	0.0448	0.0193	0.0641		663.5506	663.5506	0.0559		664.9486
Worker	0.2176	0.1508	1.4327	4.0200e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		400.2877	400.2877	0.0129		400.6106
Total	**0.3280**	**3.0048**	**2.2490**	**0.0102**	**0.5582**	**0.0231**	**0.5813**	**0.1516**	**0.0220**	**0.1736**		**1,063.8383**	**1,063.8383**	**0.0688**		**1,065.5592**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1104	2.8540	0.8163	6.1900e-003	0.1557	0.0202	0.1759	0.0448	0.0193	0.0641		663.5506	663.5506	0.0559		664.9486
Worker	0.2176	0.1508	1.4327	4.0200e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		400.2877	400.2877	0.0129		400.6106
Total	**0.3280**	**3.0048**	**2.2490**	**0.0102**	**0.5582**	**0.0231**	**0.5813**	**0.1516**	**0.0220**	**0.1736**		**1,063.8383**	**1,063.8383**	**0.0688**		**1,065.5592**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	**0.0962**	**0.0689**	**0.6495**	**1.6900e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**168.4655**	**168.4655**	**5.8400e-003**		**168.6114**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	**0.0962**	**0.0689**	**0.6495**	**1.6900e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**168.4655**	**168.4655**	**5.8400e-003**		**168.6114**

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	**0.0666**	**0.0462**	**0.4386**	**1.2300e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**122.5371**	**122.5371**	**3.9500e-003**		**122.6359**

3.5 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	**0.0666**	**0.0462**	**0.4386**	**1.2300e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**122.5371**	**122.5371**	**3.9500e-003**		**122.6359**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	**0.0866**	**0.0620**	**0.5845**	**1.5200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**151.6189**	**151.6189**	**5.2500e-003**		**151.7503**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	**0.0866**	**0.0620**	**0.5845**	**1.5200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**151.6189**	**151.6189**	**5.2500e-003**		**151.7503**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2011	6.7674	14.7201	0.0690	8.5321	0.0256	8.5577	2.2803	0.0238	2.3042		7,118.4918	7,118.4918	0.3425		7,127.0535
Unmitigated	1.2011	6.7674	14.7201	0.0690	8.5321	0.0256	8.5577	2.2803	0.0238	2.3042		7,118.4918	7,118.4918	0.3425		7,127.0535

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,297.26	289.33	123.49	2,355,313	2,355,313
Single Family Housing	310.00	322.71	280.55	878,316	878,316
Total	1,607.26	612.04	404.04	3,233,629	3,233,629

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
NaturalGas Unmitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1124.56	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3153.2	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.12456	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3.1532	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668
Unmitigated	51.4755	0.9560	61.1205	0.1062		8.2252	8.2252		8.2252	8.2252	860.9237	365.6897	1,226.6133	0.7989	0.0677	1,266.7668

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.4422	0.9265	58.5623	0.1061		8.2110	8.2110		8.2110	8.2110	860.9237	361.0588	1,221.9825	0.7945	0.0677	1,262.0247
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**51.4755**	**0.9560**	**61.1205**	**0.1062**		**8.2252**	**8.2252**		**8.2252**	**8.2252**	**860.9237**	**365.6897**	**1,226.6133**	**0.7989**	**0.0677**	**1,266.7668**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.4422	0.9265	58.5623	0.1061		8.2110	8.2110		8.2110	8.2110	860.9237	361.0588	1,221.9825	0.7945	0.0677	1,262.0247
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**51.4755**	**0.9560**	**61.1205**	**0.1062**		**8.2252**	**8.2252**		**8.2252**	**8.2252**	**860.9237**	**365.6897**	**1,226.6133**	**0.7989**	**0.0677**	**1,266.7668**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Champagne Gardens Specific Plan, M

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	10.06	55,800.00	89
General Office Building	117.61	1000sqft	2.70	117,612.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	10			**Operational Year**	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Champagne Gardens Specific Plan, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	17.05	31.00
tblFireplaces	NumberNoFireplace	3.10	0.00
tblFireplaces	NumberWood	10.85	0.00
tblLandUse	BuildingSpaceSquareFeet	117,610.00	117,612.00
tblLandUse	LandUseSquareFeet	117,610.00	117,612.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.55	0.00
tblWoodstoves	NumberNoncatalytic	1.55	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	45.0252	24.0836	19.4128	0.0371	0.5582	1.3129	1.8712	0.1516	1.2347	1.3863	0.0000	3,655.4185	3,655.4185	0.7180	0.0000	3,672.9227
Maximum	**45.0252**	**59.5906**	**35.7388**	**0.0637**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,412.8939**	**6,412.8939**	**1.9498**	**0.0000**	**6,461.6392**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	45.0252	24.0836	19.4128	0.0371	0.5582	1.3129	1.8712	0.1516	1.2347	1.3863	0.0000	3,655.4185	3,655.4185	0.7180	0.0000	3,672.9227
Maximum	**45.0252**	**59.5906**	**35.7388**	**0.0637**	**18.2141**	**2.6349**	**20.7921**	**9.9699**	**2.4241**	**12.3416**	**0.0000**	**6,412.8939**	**6,412.8939**	**1.9498**	**0.0000**	**6,461.6392**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2011	6.7673	14.7199	0.0690	8.5320	0.0256	8.5576	2.2803	0.0238	2.3041		7,118.3982	7,118.3982	0.3425		7,126.9598
Total	**5.3406**	**7.7118**	**17.7133**	**0.0749**	**8.5320**	**0.1133**	**8.6452**	**2.2803**	**0.1115**	**2.3918**	**0.0000**	**8,282.7661**	**8,282.7661**	**0.3691**	**0.0213**	**8,298.3307**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138
Energy	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
Mobile	1.2011	6.7673	14.7199	0.0690	8.5320	0.0256	8.5576	2.2803	0.0238	2.3041		7,118.3982	7,118.3982	0.3425		7,126.9598
Total	**5.3406**	**7.7118**	**17.7133**	**0.0749**	**8.5320**	**0.1133**	**8.6452**	**2.2803**	**0.1115**	**2.3918**	**0.0000**	**8,282.7661**	**8,282.7661**	**0.3691**	**0.0213**	**8,298.3307**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 112,995; Residential Outdoor: 37,665; Non-Residential Indoor: 176,418; Non-Residential Outdoor: 58,806; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	49.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0444	0.0308	0.2924	8.2000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0444**	**0.0308**	**0.2924**	**8.2000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**81.6914**	**81.6914**	**2.6400e-003**		**81.7573**

3.2 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.7143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**44.9808**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0444	0.0308	0.2924	8.2000e-004	0.0822	5.9000e-004	0.0827	0.0218	5.4000e-004	0.0223		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0444**	**0.0308**	**0.2924**	**8.2000e-004**	**0.0822**	**5.9000e-004**	**0.0827**	**0.0218**	**5.4000e-004**	**0.0223**		**81.6914**	**81.6914**	**2.6400e-003**		**81.7573**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1236	3.0355	0.8878	6.2500e-003	0.1557	0.0241	0.1798	0.0448	0.0231	0.0679		668.6053	668.6053	0.0579		670.0517
Worker	0.2356	0.1687	1.5912	4.1500e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		412.7404	412.7404	0.0143		413.0980
Total	**0.3592**	**3.2042**	**2.4790**	**0.0104**	**0.5582**	**0.0270**	**0.5852**	**0.1516**	**0.0257**	**0.1773**		**1,081.3456**	**1,081.3456**	**0.0722**		**1,083.1496**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1236	3.0355	0.8878	6.2500e-003	0.1557	0.0241	0.1798	0.0448	0.0231	0.0679		668.6053	668.6053	0.0579		670.0517
Worker	0.2356	0.1687	1.5912	4.1500e-003	0.4025	2.9000e-003	0.4054	0.1068	2.6700e-003	0.1094		412.7404	412.7404	0.0143		413.0980
Total	**0.3592**	**3.2042**	**2.4790**	**0.0104**	**0.5582**	**0.0270**	**0.5852**	**0.1516**	**0.0257**	**0.1773**		**1,081.3456**	**1,081.3456**	**0.0722**		**1,083.1496**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1104	2.8540	0.8163	6.1900e-003	0.1557	0.0202	0.1759	0.0448	0.0193	0.0641		663.5506	663.5506	0.0559		664.9486
Worker	0.2176	0.1508	1.4327	4.0200e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		400.2877	400.2877	0.0129		400.6106
Total	**0.3280**	**3.0048**	**2.2490**	**0.0102**	**0.5582**	**0.0231**	**0.5813**	**0.1516**	**0.0220**	**0.1736**		**1,063.8383**	**1,063.8383**	**0.0688**		**1,065.5592**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.1104	2.8540	0.8163	6.1900e-003	0.1557	0.0202	0.1759	0.0448	0.0193	0.0641		663.5506	663.5506	0.0559		664.9486
Worker	0.2176	0.1508	1.4327	4.0200e-003	0.4025	2.8700e-003	0.4054	0.1068	2.6400e-003	0.1094		400.2877	400.2877	0.0129		400.6106
Total	**0.3280**	**3.0048**	**2.2490**	**0.0102**	**0.5582**	**0.0231**	**0.5813**	**0.1516**	**0.0220**	**0.1736**		**1,063.8383**	**1,063.8383**	**0.0688**		**1,065.5592**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	**0.0962**	**0.0689**	**0.6495**	**1.6900e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**168.4655**	**168.4655**	**5.8400e-003**		**168.6114**

3.4 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.6733**	**2.6337**	**11.3071**	**3.5965**	**2.4230**	**6.0195**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	**0.0962**	**0.0689**	**0.6495**	**1.6900e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**168.4655**	**168.4655**	**5.8400e-003**		**168.6114**

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	**0.0666**	**0.0462**	**0.4386**	**1.2300e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**122.5371**	**122.5371**	**3.9500e-003**		**122.6359**

3.5 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	**0.0666**	**0.0462**	**0.4386**	**1.2300e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**122.5371**	**122.5371**	**3.9500e-003**		**122.6359**

3.6 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	**0.0866**	**0.0620**	**0.5845**	**1.5200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**151.6189**	**151.6189**	**5.2500e-003**		**151.7503**

3.6 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	**0.0866**	**0.0620**	**0.5845**	**1.5200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**151.6189**	**151.6189**	**5.2500e-003**		**151.7503**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2011	6.7673	14.7199	0.0690	8.5320	0.0256	8.5576	2.2803	0.0238	2.3041		7,118.3982	7,118.3982	0.3425		7,126.9598
Unmitigated	1.2011	6.7673	14.7199	0.0690	8.5320	0.0256	8.5576	2.2803	0.0238	2.3041		7,118.3982	7,118.3982	0.3425		7,126.9598

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,297.24	289.32	123.49	2,355,273	2,355,273
Single Family Housing	310.00	322.71	280.55	878,316	878,316
Total	1,607.24	612.03	404.04	3,233,589	3,233,589

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572
NaturalGas Unmitigated	0.0461	0.4008	0.2163	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.2665	503.2665	9.6500e-003	9.2300e-003	506.2572

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1124.56	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3153.2	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.12456	0.0121	0.1103	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003		132.3017	132.3017	2.5400e-003	2.4300e-003	133.0879
Single Family Housing	3.1532	0.0340	0.2906	0.1237	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.9648	370.9648	7.1100e-003	6.8000e-003	373.1693
Total		**0.0461**	**0.4008**	**0.2163**	**2.5100e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.2665**	**503.2665**	**9.6500e-003**	**9.2300e-003**	**506.2572**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138
Unmitigated	4.0935	0.5437	2.7771	3.4200e-003		0.0558	0.0558		0.0558	0.0558	0.0000	661.1015	661.1015	0.0170	0.0120	665.1138

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0602	0.5142	0.2188	3.2800e-003		0.0416	0.0416		0.0416	0.0416	0.0000	656.4706	656.4706	0.0126	0.0120	660.3717
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**4.0935**	**0.5437**	**2.7771**	**3.4200e-003**		**0.0558**	**0.0558**		**0.0558**	**0.0558**	**0.0000**	**661.1015**	**661.1015**	**0.0170**	**0.0120**	**665.1138**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0602	0.5142	0.2188	3.2800e-003		0.0416	0.0416		0.0416	0.0416	0.0000	656.4706	656.4706	0.0126	0.0120	660.3717
Landscaping	0.0773	0.0295	2.5582	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6309	4.6309	4.4500e-003		4.7421
Total	**4.0935**	**0.5437**	**2.7771**	**3.4200e-003**		**0.0558**	**0.0558**		**0.0558**	**0.0558**	**0.0000**	**661.1015**	**661.1015**	**0.0170**	**0.0120**	**665.1138**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation