Appendix C

Greenhouse Gas Analysis

3032 Coronado GHG Emissions

Greenhouse gas emissions for the project were computed based on the primary emissions sectors: electricity consumption, generator testing, traffic, water usage and solid waste generation. The attached tables detail the emissions for each sector. In total, the project is anticipated to generate 53,875 metric tons of carbon dioxide or carbon dioxide equivalent greenhouse gases.

Silicon Valley Power Electricity Generation

Electricity for the proposed data center buildings will be provided by SVP, which is the public electric utility of the City of Santa Clara. Santa Clara currently has ownership interest, or has purchase agreements for 790.6 MW of electricity. Approximately 26 percent of that generation is eligible as renewable (as defined by California Energy Commission), or is otherwise a non-GHG emitting resource (i.e., large-hydroelectric). This capacity far exceeds City of Santa Clara's current peak electricity demand of approximately 486 MW. No new generation peak capacity is necessary to meet the capacity requirements of new construction, or redeveloped facilities within the City to meet the near or projected future demand.

The City of Santa Clara follows the State's preferred loading order in procuring new energy resources. First, the current load (customer) is encouraged to participate in energy efficiency programs to reduce their usage, thus freeing up existing resources (and any related emissions) for new load (electricity demand). In addition, the City of Santa Clara encourages the use of renewable resources and clean distributed generation, and has seen a significant increase in its applications for large and small rooftop photovoltaics (PV) in the past two years. Demand displaced by customer-based renewable projects is also available to meet new load requests.

The City of Santa Clara seeks to meet its Renewable Portfolio Standard (RPS) through the addition of new renewable resources. In order to meet anticipated increases in energy needs (as separate from peak generation capacity requirements), the City of Santa Clara has contracted for additional wind energy as its next energy resource. The Big Horn II wind project provides the City of Santa Clara with an additional 17.5MW of GHG-emission-free electricity.

The electricity provider in Santa Clara is Silicon Valley Power (SVP). The most recent available CO_2 intensity factor reported by SVP is 685.4 pounds per megawatt of power delivered. At the time that rate was reported, SVP has a renewable portfolio of 25 percent renewable sources[1]. It is anticipated that SVP will reach a target of 33 percent around 2018 to 2020. Assuming an increase in renewable energy sources, SVP's CO_2 intensity rate is anticipated to decrease to 644.2 pounds per megawatt. The existing electricity CO_2 intensity factor was used for this analysis.

Data centers house computer servers and supporting equipment for private clients. The data on these servers is accessed remotely, meaning the client base and service population for a data center may be regional, national, or even global in nature. As a result, data centers can be constructed in any given location and utilized by clients in a variety of areas. Constructing a data center in a location where the electricity supply is associated with a low rate of GHG emissions, therefore, would result in a reduction in emissions related to the use of that data center. The project will increase electricity demand to 18 megawatts (MW) per hour at the full capacity. Assuming this usage rate on an annual basis, the project is anticipated to consume up to 157,680 MW per year. Using the emission rates

1 Silicon Valley Power: https://siliconvalleypower.com/index.aspx?page=1952 Accessed March 1, 2013

described above, the annual indirect emissions from electricity use by the project were calculated to identify the reduction in emissions that would result from utilizing SVP's green power mix compared to using power elsewhere in California. The power usage was conservatively assumed to be a constant 18 MW per hour, which is the maximum demand of the project. The results of the calculations show that, utilizing SVP's power mix, the project's annual emissions related to electricity use would be approximately 53,365 metric tons of CO_2 per year, while the emissions would be approximately 78,061 metric tons of CO_2 per year using California's average emission rate. The project would therefore achieve a comparative reduction of 24,696 metric tons of CO_2 (32 percent) per year by utilizing SVP's power mix versus the California statewide average power mix.

Generator Usage Emissions

The combustion of diesel fuel to test generators will result in CO_2 emissions. The generators associated with the project are calculated to emit 2,209 pounds of CO_2 per hour each when tested. It is expected that generators will be tested on a monthly basis and load tested annually, resulting in a combined total of 260 hours per year (26 hours per generator). On an annual basis, the project's emissions related to diesel fuel consumption will be approximately 300 metric tons of CO_2.

Water Usage

Water usage associated with the cooling of equipment would indirectly generate GHG emissions from electricity usage. Water usage includes the supply and conveyance of water as well as the conveyance and treatment of wastewater. Water usage is anticipated at 45,500 gallons per summer day and 562 gallons per winter day. On an annual basis, the project was estimated to consume 8,406,315 gallons. The CalEEMod Model Version 2013.2.1 was used to predict GHG emissions. On an annual basis, GHG emissions associated with water consumption would be 10 metric tons.

Mobile Sources

The project would generate some traffic. It is expected that approximately 3 employees, 3 visitors , and 10 tenants would occupy the building. Based on surveyed trip rates, the proposed project is estimated to generate 18 AM peak-hour trips (14 inbound and 4 outbound) and 23 PM peak-hour trips (-2 inbound and 25 outbound). A total of 50 daily trips were assumed and used in CalEEMod. Annual GHG emissions from mobile sources would be 64 metric tons.

Solid Waste

Emissions associated with solid waste would includes those to transfer waste and those associated with land filling. The CalEEMod model predicts 117 metric tons of GHG emissions associated with this land use type and size.

Source				Project Emissions			Under CA Average Emissions	
Generator Use								
Size			Qty (generators)					
2500	Kw		10					
				300	MT/year		300	MT/year
Hours tested per generator*		26	per year					
Electricty Usage								
Peak Hour	18	MW hr						
Annual Usage	157,680	MW yr		53,365	MT/year		78,061	MT/year
Rate	685	lbs/MW						
Mobiles Sources								
	from CalEEMod							
	Trips/day	30		82	MT/year		82	MT/year
Water Consumption:								
45500	gal/day	summer			8,406,315	gal/year		
562	gal/day	winter						
	from CalEEMod							
				10	MT/year		15.1	MT/year
Solid Waste:								
	from CalEEMod							
				117	MT/year		117	MT/year
			TOTAL	**53,875**	**MT/year**		**78,576**	**MT/year**

Coronado Data Center

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	207.22	1000sqft	2.77	207,224.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2014
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Use SVP existing CO2 intensity rate

Land Use - Use building square footage

Construction Phase - 269 total days

Off-road Equipment -

Architectural Coating - Assume coatings consistent with BAAQMD regs

Vehicle Trips - Assume 50 trips per day or less

Energy Use - Computed electricity rate

Water And Wastewater - Used Project annual estimate

Vechicle Emission Factors -

Vechicle Emission Factors -

Vechicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	150.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	T24E	1.81	0.00
tblLandUse	LotAcreage	4.76	2.77
tblVehicleTrips	ST_TR	1.32	0.25
tblVehicleTrips	SU_TR	0.68	0.25
tblVehicleTrips	WD_TR	6.97	0.25
tblWater	IndoorWaterUseRate	47,919,625.00	8,406,315.00

2.0 Emissions Summary

2.1 Overall Construction

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	tons/yr										MT/yr					
2014	1.1483	4.0846	3.5109	5.1100e-003	0.1357	0.2510	0.3868	0.0411	0.2396	0.2807	0.0000	445.4468	445.4468	0.0762	0.0000	447.0466
2015	1.1556	0.0107	0.0115	2.0000e-005	6.2000e-004	8.9000e-004	1.5100e-003	1.6000e-004	8.9000e-004	1.0500e-003	0.0000	1.5864	1.5864	1.7000e-004	0.0000	1.5898
Total	**2.3039**	**4.0953**	**3.5223**	**5.1300e-003**	**0.1364**	**0.2519**	**0.3883**	**0.0413**	**0.2405**	**0.2817**	**0.0000**	**447.0332**	**447.0332**	**0.0764**	**0.0000**	**448.6364**

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	tons/yr										MT/yr					
2014	1.1483	4.0846	3.5109	5.1100e-003	0.1357	0.2510	0.3868	0.0411	0.2396	0.2807	0.0000	445.4465	445.4465	0.0762	0.0000	447.0462
2015	1.1556	0.0107	0.0115	2.0000e-005	6.2000e-004	8.9000e-004	1.5100e-003	1.6000e-004	8.9000e-004	1.0500e-003	0.0000	1.5864	1.5864	1.7000e-004	0.0000	1.5898
Total	**2.3039**	**4.0953**	**3.5223**	**5.1300e-003**	**0.1364**	**0.2519**	**0.3883**	**0.0413**	**0.2405**	**0.2817**	**0.0000**	**447.0328**	**447.0328**	**0.0764**	**0.0000**	**448.6361**

	ROG	**NOx**	**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	tons/yr										MT/yr					
Area	0.9176	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9400e-003
Energy	0.0306	0.2784	0.2339	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.1070	303.1070	5.8100e-003	5.5600e-003	304.9516
Mobile	0.1229	0.1040	0.4526	7.7000e-004	0.0561	1.5300e-003	0.0576	0.0150	1.4000e-003	0.0164	0.0000	64.2016	64.2016	3.1200e-003	0.0000	64.2671
Waste						0.0000	0.0000		0.0000	0.0000	52.1585	0.0000	52.1585	3.0825	0.0000	116.8906
Water						0.0000	0.0000		0.0000	0.0000	2.6669	0.0000	2.6669	0.2739	6.4700e-003	10.4243
Total	**1.0711**	**0.3824**	**0.6885**	**2.4400e-003**	**0.0561**	**0.0227**	**0.0788**	**0.0150**	**0.0226**	**0.0376**	**54.8255**	**367.3123**	**422.1378**	**3.3653**	**0.0120**	**496.5376**

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	tons/yr										MT/yr					
Area	0.9176	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9400e-003
Energy	0.0306	0.2784	0.2339	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.1070	303.1070	5.8100e-003	5.5600e-003	304.9516
Mobile	0.1229	0.1040	0.4526	7.7000e-004	0.0561	1.5300e-003	0.0576	0.0150	1.4000e-003	0.0164	0.0000	64.2016	64.2016	3.1200e-003	0.0000	64.2671
Waste						0.0000	0.0000		0.0000	0.0000	52.1585	0.0000	52.1585	3.0825	0.0000	116.8906
Water						0.0000	0.0000		0.0000	0.0000	2.6669	0.0000	2.6669	0.2739	6.4700e-003	10.4243
Total	**1.0711**	**0.3824**	**0.6885**	**2.4400e-003**	**0.0561**	**0.0227**	**0.0788**	**0.0150**	**0.0226**	**0.0376**	**54.8255**	**367.3123**	**422.1378**	**3.3653**	**0.0120**	**496.5376**

	ROG	NOx	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	Demolition	Demolition	1/1/2014	1/28/2014	5	20	
2	Site Preparation	Site Preparation	1/29/2014	1/31/2014	5	3	
3	Grading	Grading	2/1/2014	2/10/2014	5	6	
4	Building Construction	Building Construction	2/11/2014	12/15/2014	5	220	
5	Paving	Paving	12/16/2014	12/29/2014	5	10	

6	Architectural Coating	Architectural Coating	12/30/2014	1/12/2015	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 310,836; Non-Residential Outdoor: 103,612 (Architectural Coating –

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	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Graders	1	8.00	174	0.41
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Site Preparation	Scrapers	1	8.00	361	0.48
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	3	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
Demolition	5	13.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	87.00	34.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2014

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	tons/yr										MT/yr					
Off-Road	0.0316	0.3048	0.2219	2.5000e-004		0.0194	0.0194		0.0182	0.0182	0.0000	22.9494	22.9494	5.8300e-003	0.0000	23.0718
Total	**0.0316**	**0.3048**	**0.2219**	**2.5000e-004**		**0.0194**	**0.0194**		**0.0182**	**0.0182**	**0.0000**	**22.9494**	**22.9494**	**5.8300e-003**	**0.0000**	**23.0718**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	2.8200e-003	8.5000e-004	8.2900e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1170	1.1170	7.0000e-005	0.0000	1.1184
Total	**2.8200e-003**	**8.5000e-004**	**8.2900e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1170**	**1.1170**	**7.0000e-005**	**0.0000**	**1.1184**

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	tons/yr										MT/yr					
Off-Road	0.0316	0.3048	0.2219	2.5000e-004		0.0194	0.0194		0.0182	0.0182	0.0000	22.9494	22.9494	5.8300e-003	0.0000	23.0717
Total	**0.0316**	**0.3048**	**0.2219**	**2.5000e-004**		**0.0194**	**0.0194**		**0.0182**	**0.0182**	**0.0000**	**22.9494**	**22.9494**	**5.8300e-003**	**0.0000**	**23.0717**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	2.8200e-003	8.5000e-004	8.2900e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1170	1.1170	7.0000e-005	0.0000	1.1184
Total	**2.8200e-003**	**8.5000e-004**	**8.2900e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1170**	**1.1170**	**7.0000e-005**	**0.0000**	**1.1184**

3.3 Site Preparation - 2014

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	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2800e-003	0.0496	0.0285	4.0000e-005		2.4400e-003	2.4400e-003		2.2400e-003	2.2400e-003	0.0000	3.4495	3.4495	1.0200e-003	0.0000	3.4709
Total	**4.2800e-003**	**0.0496**	**0.0285**	**4.0000e-005**	**2.3900e-003**	**2.4400e-003**	**4.8300e-003**	**2.6000e-004**	**2.2400e-003**	**2.5000e-003**	**0.0000**	**3.4495**	**3.4495**	**1.0200e-003**	**0.0000**	**3.4709**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	2.6000e-004	8.0000e-005	7.6000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1031	0.1031	1.0000e-005	0.0000	0.1032
Total	**2.6000e-004**	**8.0000e-005**	**7.6000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1031**	**0.1031**	**1.0000e-005**	**0.0000**	**0.1032**

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	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2800e-003	0.0496	0.0285	4.0000e-005		2.4400e-003	2.4400e-003		2.2400e-003	2.2400e-003	0.0000	3.4495	3.4495	1.0200e-003	0.0000	3.4709
Total	**4.2800e-003**	**0.0496**	**0.0285**	**4.0000e-005**	**2.3900e-003**	**2.4400e-003**	**4.8300e-003**	**2.6000e-004**	**2.2400e-003**	**2.5000e-003**	**0.0000**	**3.4495**	**3.4495**	**1.0200e-003**	**0.0000**	**3.4709**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	2.6000e-004	8.0000e-005	7.6000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1031	0.1031	1.0000e-005	0.0000	0.1032
Total	**2.6000e-004**	**8.0000e-005**	**7.6000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1031**	**0.1031**	**1.0000e-005**	**0.0000**	**0.1032**

3.4 Grading - 2014

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	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9500e-003	0.0949	0.0609	6.0000e-005		5.3300e-003	5.3300e-003		4.9000e-003	4.9000e-003	0.0000	5.9531	5.9531	1.7600e-003	0.0000	5.9900
Total	**8.9500e-003**	**0.0949**	**0.0609**	**6.0000e-005**	**0.0197**	**5.3300e-003**	**0.0250**	**0.0101**	**4.9000e-003**	**0.0150**	**0.0000**	**5.9531**	**5.9531**	**1.7600e-003**	**0.0000**	**5.9900**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	6.5000e-004	2.0000e-004	1.9100e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2578	0.2578	2.0000e-005	0.0000	0.2581
Total	**6.5000e-004**	**2.0000e-004**	**1.9100e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2578**	**0.2578**	**2.0000e-005**	**0.0000**	**0.2581**

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	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	8.9500e-003	0.0949	0.0609	6.0000e-005		5.3300e-003	5.3300e-003		4.9000e-003	4.9000e-003	0.0000	5.9531	5.9531	1.7600e-003	0.0000	5.9900
Total	**8.9500e-003**	**0.0949**	**0.0609**	**6.0000e-005**	**0.0197**	**5.3300e-003**	**0.0250**	**0.0101**	**4.9000e-003**	**0.0150**	**0.0000**	**5.9531**	**5.9531**	**1.7600e-003**	**0.0000**	**5.9900**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	6.5000e-004	2.0000e-004	1.9100e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2578	0.2578	2.0000e-005	0.0000	0.2581
Total	**6.5000e-004**	**2.0000e-004**	**1.9100e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2578**	**0.2578**	**2.0000e-005**	**0.0000**	**0.2581**

3.5 Building Construction - 2014

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	tons/yr										MT/yr					
Off-Road	0.4783	2.9650	1.9116	2.7400e-003		0.2068	0.2068		0.1985	0.1985	0.0000	237.0711	237.0711	0.0591	0.0000	238.3128
Total	**0.4783**	**2.9650**	**1.9116**	**2.7400e-003**		**0.2068**	**0.2068**		**0.1985**	**0.1985**	**0.0000**	**237.0711**	**237.0711**	**0.0591**	**0.0000**	**238.3128**

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	tons/yr										MT/yr					
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	0.0000	0.0000
Vendor	0.1131	0.5013	0.5979	9.0000e-004	0.0242	9.6400e-003	0.0338	6.9300e-003	8.8600e-003	0.0158	0.0000	82.9200	82.9200	8.7000e-004	0.0000	82.9384
Worker	0.2079	0.0627	0.6100	1.0100e-003	0.0871	8.0000e-004	0.0879	0.0232	7.3000e-004	0.0239	0.0000	82.2272	82.2272	4.9700e-003	0.0000	82.3317
Total	**0.3210**	**0.5640**	**1.2079**	**1.9100e-003**	**0.1113**	**0.0104**	**0.1217**	**0.0301**	**9.5900e-003**	**0.0397**	**0.0000**	**165.1473**	**165.1473**	**5.8400e-003**	**0.0000**	**165.2700**

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	tons/yr										MT/yr					
Off-Road	0.4783	2.9650	1.9116	2.7400e-003		0.2068	0.2068		0.1985	0.1985	0.0000	237.0708	237.0708	0.0591	0.0000	238.3126
Total	**0.4783**	**2.9650**	**1.9116**	**2.7400e-003**		**0.2068**	**0.2068**		**0.1985**	**0.1985**	**0.0000**	**237.0708**	**237.0708**	**0.0591**	**0.0000**	**238.3126**

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	tons/yr										MT/yr					
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	0.0000	0.0000
Vendor	0.1131	0.5013	0.5979	9.0000e-004	0.0242	9.6400e-003	0.0338	6.9300e-003	8.8600e-003	0.0158	0.0000	82.9200	82.9200	8.7000e-004	0.0000	82.9384
Worker	0.2079	0.0627	0.6100	1.0100e-003	0.0871	8.0000e-004	0.0879	0.0232	7.3000e-004	0.0239	0.0000	82.2272	82.2272	4.9700e-003	0.0000	82.3317
Total	**0.3210**	**0.5640**	**1.2079**	**1.9100e-003**	**0.1113**	**0.0104**	**0.1217**	**0.0301**	**9.5900e-003**	**0.0397**	**0.0000**	**165.1473**	**165.1473**	**5.8400e-003**	**0.0000**	**165.2700**

3.6 Paving - 2014

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	tons/yr										MT/yr					
Off-Road	9.9000e-003	0.1019	0.0613	9.0000e-005		6.3700e-003	6.3700e-003		5.8700e-003	5.8700e-003	0.0000	8.3528	8.3528	2.4200e-003	0.0000	8.4037
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.9000e-003**	**0.1019**	**0.0613**	**9.0000e-005**		**6.3700e-003**	**6.3700e-003**		**5.8700e-003**	**5.8700e-003**	**0.0000**	**8.3528**	**8.3528**	**2.4200e-003**	**0.0000**	**8.4037**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000

Worker	1.6300e-003	4.9000e-004	4.7800e-003	1.0000e-005	6.8000e-004	1.0000e-005	6.9000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.6444	0.6444	4.0000e-005	0.0000	0.6452
Total	**1.6300e-003**	**4.9000e-004**	**4.7800e-003**	**1.0000e-005**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.6444**	**0.6444**	**4.0000e-005**	**0.0000**	**0.6452**

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	tons/yr										MT/yr					
Off-Road	9.9000e-003	0.1019	0.0613	9.0000e-005		6.3700e-003	6.3700e-003		5.8700e-003	5.8700e-003	0.0000	8.3528	8.3528	2.4200e-003	0.0000	8.4037
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.9000e-003**	**0.1019**	**0.0613**	**9.0000e-005**		**6.3700e-003**	**6.3700e-003**		**5.8700e-003**	**5.8700e-003**	**0.0000**	**8.3528**	**8.3528**	**2.4200e-003**	**0.0000**	**8.4037**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	1.6300e-003	4.9000e-004	4.7800e-003	1.0000e-005	6.8000e-004	1.0000e-005	6.9000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.6444	0.6444	4.0000e-005	0.0000	0.6452
Total	**1.6300e-003**	**4.9000e-004**	**4.7800e-003**	**1.0000e-005**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.6444**	**0.6444**	**4.0000e-005**	**0.0000**	**0.6452**

3.7 Architectural Coating - 2014

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	tons/yr										MT/yr					
Archit. Coating	0.2881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	2.7800e-003	1.9200e-003	0.0000		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.2553	0.2553	4.0000e-005	0.0000	0.2561
Total	**0.2886**	**2.7800e-003**	**1.9200e-003**	**0.0000**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**	**0.0000**	**0.2553**	**0.2553**	**4.0000e-005**	**0.0000**	**0.2561**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	3.7000e-004	1.1000e-004	1.0800e-003	0.0000	1.5000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1461	0.1461	1.0000e-005	0.0000	0.1463
Total	**3.7000e-004**	**1.1000e-004**	**1.0800e-003**	**0.0000**	**1.5000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1461**	**0.1461**	**1.0000e-005**	**0.0000**	**0.1463**

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	tons/yr										MT/yr					
Archit. Coating	0.2881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	2.7800e-003	1.9200e-003	0.0000		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.2553	0.2553	4.0000e-005	0.0000	0.2561
Total	**0.2886**	**2.7800e-003**	**1.9200e-003**	**0.0000**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**	**0.0000**	**0.2553**	**0.2553**	**4.0000e-005**	**0.0000**	**0.2561**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	3.7000e-004	1.1000e-004	1.0800e-003	0.0000	1.5000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1461	0.1461	1.0000e-005	0.0000	0.1463
Total	**3.7000e-004**	**1.1000e-004**	**1.0800e-003**	**0.0000**	**1.5000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1461**	**0.1461**	**1.0000e-005**	**0.0000**	**0.1463**

3.7 Architectural Coating - 2015

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	tons/yr										MT/yr					
Archit. Coating	1.1526					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0103	7.6100e-003	1.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	1.0213	1.0213	1.3000e-004	0.0000	1.0241

Total	**1.1542**	**0.0103**	**7.6100e-003**	**1.0000e-005**		**8.8000e-004**	**8.8000e-004**		**8.8000e-004**	**8.8000e-004**	**0.0000**	**1.0213**	**1.0213**	**1.3000e-004**	**0.0000**	**1.0241**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	1.3700e-003	4.0000e-004	3.8700e-003	1.0000e-005	6.2000e-004	1.0000e-005	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5651	0.5651	3.0000e-005	0.0000	0.5657
Total	**1.3700e-003**	**4.0000e-004**	**3.8700e-003**	**1.0000e-005**	**6.2000e-004**	**1.0000e-005**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.5651**	**0.5651**	**3.0000e-005**	**0.0000**	**0.5657**

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	tons/yr										MT/yr					
Archit. Coating	1.1526					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0103	7.6100e-003	1.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	1.0213	1.0213	1.3000e-004	0.0000	1.0241
Total	**1.1542**	**0.0103**	**7.6100e-003**	**1.0000e-005**		**8.8000e-004**	**8.8000e-004**		**8.8000e-004**	**8.8000e-004**	**0.0000**	**1.0213**	**1.0213**	**1.3000e-004**	**0.0000**	**1.0241**

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	tons/yr										MT/yr					
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	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	0.0000	0.0000
Worker	1.3700e-003	4.0000e-004	3.8700e-003	1.0000e-005	6.2000e-004	1.0000e-005	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5651	0.5651	3.0000e-005	0.0000	0.5657
Total	**1.3700e-003**	**4.0000e-004**	**3.8700e-003**	**1.0000e-005**	**6.2000e-004**	**1.0000e-005**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.5651**	**0.5651**	**3.0000e-005**	**0.0000**	**0.5657**

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	tons/yr										MT/yr					
Mitigated	0.1229	0.1040	0.4526	7.7000e-004	0.0561	1.5300e-003	0.0576	0.0150	1.4000e-003	0.0164	0.0000	64.2016	64.2016	3.1200e-003	0.0000	64.2671
Unmitigated	0.1229	0.1040	0.4526	7.7000e-004	0.0561	1.5300e-003	0.0576	0.0150	1.4000e-003	0.0164	0.0000	64.2016	64.2016	3.1200e-003	0.0000	64.2671

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	51.81	51.81	51.81	151,248	151,248

Total	51.81	51.81	51.81	151,248	151,248

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058138	0.185246	0.125281	0.029961	0.004506	0.012317	0.020953	0.001764	0.001280	0.005920	0.000536	0.001765

5.0 Energy Detail

4.4 Fleet Mix

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0306	0.2784	0.2339	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.1070	303.1070	5.8100e-003	5.5600e-003	304.9516
NaturalGas Unmitigated	0.0306	0.2784	0.2339	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.1070	303.1070	5.8100e-003	5.5600e-003	304.9516

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	tons/yr										MT/yr					
General Light Industry	5.68001e+006	0.0306	0.2784	0.2339	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.1070	303.1070	5.8100e-003	5.5600e-003	304.9516
Total		**0.0306**	**0.2784**	**0.2339**	**1.6700e-003**		**0.0212**	**0.0212**		**0.0212**	**0.0212**	**0.0000**	**303.1070**	**303.1070**	**5.8100e-003**	**5.5600e-003**	**304.9516**

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	tons/yr										MT/yr					
General Light Industry	5.68001e+006	0.0306	0.2784	0.2339	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.1070	303.1070	5.8100e-003	5.5600e-003	304.9516
Total		**0.0306**	**0.2784**	**0.2339**	**1.6700e-003**		**0.0212**	**0.0212**		**0.0212**	**0.0212**	**0.0000**	**303.1070**	**303.1070**	**5.8100e-003**	**5.5600e-003**	**304.9516**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	tons/yr										MT/yr					
Mitigated	0.9176	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9400e-003
Unmitigated	0.9176	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9400e-003

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	tons/yr										MT/yr					
Architectural Coating	0.1081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8093					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9400e-003
Total	**0.9176**	**2.0000e-005**	**1.9900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.7000e-003**	**3.7000e-003**	**1.0000e-005**	**0.0000**	**3.9400e-003**

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	tons/yr										MT/yr					
Architectural Coating	0.1081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8093					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9400e-003
Total	**0.9176**	**2.0000e-005**	**1.9900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.7000e-003**	**3.7000e-003**	**1.0000e-005**	**0.0000**	**3.9400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.6669	0.2739	6.4700e-003	10.4243
Unmitigated	2.6669	0.2739	6.4700e-003	10.4243

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.40631 / 0	2.6669	0.2739	6.4700e-003	10.4243
Total		**2.6669**	**0.2739**	**6.4700e-003**	**10.4243**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
General Light Industry	8.40631 / 0	2.6669	0.2739	6.4700e-003	10.4243
Total		**2.6669**	**0.2739**	**6.4700e-003**	**10.4243**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.1585	3.0825	0.0000	116.8906
Unmitigated	52.1585	3.0825	0.0000	116.8906

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	256.95	52.1585	3.0825	0.0000	116.8906

Total		**52.1585**	**3.0825**	**0.0000**	**116.8906**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	256.95	52.1585	3.0825	0.0000	116.8906
Total		**52.1585**	**3.0825**	**0.0000**	**116.8906**

9.0 Operational Offroad

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

10.0 Vegetation