

**Ananda Village: Run 6 - All Construction**  
**Nevada County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	100.00	Dwelling Unit	32.47	180,000.00	286
Health Club	36.63	1000sqft	0.84	36,626.00	0
General Light Industry	8.46	1000sqft	0.19	8,464.00	0
General Office Building	2.04	1000sqft	0.05	2,036.00	0
Other Asphalt Surfaces	1,584.70	1000sqft	36.38	1,584,702.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	80
<b>Climate Zone</b>	1			<b>Operational Year</b>	2035
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	445	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Assumed 2012 PG&E CO2 intensity factor, not 2008 default.

Land Use - N/A

Construction Phase - Program will not allow me to change end construction date and reduce number of total days. Assuming defaults will provide adequate, albeit slightly conservative numbers.

Grading - Not all import/export numbers provided by applicant, so numbers are assumed as higher than what was provided.

Energy Use - N/A

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	1,000.00
tblGrading	MaterialImported	0.00	1,000.00
tblLandUse	LandUseSquareFeet	1,584,700.00	1,584,702.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	445
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

## 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					
2018	0.7094	6.5301	6.6451	9.7700e-003	1.0765	0.3030	1.3795	0.4605	0.2801	0.7407	0.0000	832.6835	832.6835	0.1747	0.0000	836.3523
2019	1.1555	5.9654	14.0248	0.0246	1.3551	0.2155	1.5706	0.3653	0.2017	0.5669	0.0000	1,870.2783	1,870.2783	0.1217	0.0000	1,872.8341
2020	0.9456	5.2152	12.6813	0.0247	1.3603	0.1881	1.5484	0.3667	0.1761	0.5428	0.0000	1,821.0345	1,821.0345	0.1180	0.0000	1,823.5116
2021	0.8939	4.4879	12.1569	0.0246	1.3552	0.1627	1.5179	0.3653	0.1523	0.5176	0.0000	1,799.0046	1,799.0046	0.1146	0.0000	1,801.4108
2022	0.8253	4.0005	11.6259	0.0245	1.3500	0.1421	1.4921	0.3639	0.1330	0.4969	0.0000	1,778.9143	1,778.9143	0.1120	0.0000	1,781.2663
2023	21.9071	0.8014	1.8957	4.1300e-003	0.2023	0.0341	0.2364	0.0543	0.0318	0.0861	0.0000	303.9584	303.9584	0.0370	0.0000	304.7360
<b>Total</b>	<b>26.4368</b>	<b>27.0004</b>	<b>59.0296</b>	<b>0.1123</b>	<b>6.6994</b>	<b>1.0456</b>	<b>7.7450</b>	<b>1.9759</b>	<b>0.9749</b>	<b>2.9508</b>	<b>0.0000</b>	<b>8,405.8736</b>	<b>8,405.8736</b>	<b>0.6780</b>	<b>0.0000</b>	<b>8,420.1110</b>



**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	15.5467	0.0938	8.4845	3.0600e-003		1.0901	1.0901		1.0901	1.0901	103.2958	44.5628	147.8586	0.0966	8.1200e-003	152.4049
Energy	0.0107	0.0924	0.0435	5.9000e-004		7.4200e-003	7.4200e-003		7.4200e-003	7.4200e-003	0.0000	300.6131	300.6131	0.0147	4.5700e-003	302.3381
Mobile	1.1197	2.9020	12.5050	0.0367	2.1410	0.0647	2.2057	0.5763	0.0596	0.6359	0.0000	2,560.0063	2,560.0063	0.0534	0.0000	2,561.1270
Waste						0.0000	0.0000		0.0000	0.0000	59.4114	0.0000	59.4114	3.5111	0.0000	133.1448
Water						0.0000	0.0000		0.0000	0.0000	3.4900	16.0120	19.5020	0.3595	8.6800e-003	29.7424
<b>Total</b>	<b>16.6770</b>	<b>3.0881</b>	<b>21.0330</b>	<b>0.0404</b>	<b>2.1410</b>	<b>1.1623</b>	<b>3.3032</b>	<b>0.5763</b>	<b>1.1572</b>	<b>1.7334</b>	<b>166.1972</b>	<b>2,921.1942</b>	<b>3,087.3914</b>	<b>4.0352</b>	<b>0.0214</b>	<b>3,178.7572</b>

## 2.2 Overall Operational

### 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	15.5467	0.0938	8.4845	3.0600e-003		1.0901	1.0901		1.0901	1.0901	103.2958	44.5628	147.8586	0.0966	8.1200e-003	152.4049
Energy	0.0107	0.0924	0.0435	5.9000e-004		7.4200e-003	7.4200e-003		7.4200e-003	7.4200e-003	0.0000	300.6131	300.6131	0.0147	4.5700e-003	302.3381
Mobile	1.1197	2.9020	12.5050	0.0367	2.1410	0.0647	2.2057	0.5763	0.0596	0.6359	0.0000	2,560.0063	2,560.0063	0.0534	0.0000	2,561.1270
Waste						0.0000	0.0000		0.0000	0.0000	59.4114	0.0000	59.4114	3.5111	0.0000	133.1448
Water						0.0000	0.0000		0.0000	0.0000	3.4900	16.0120	19.5020	0.3594	8.6700e-003	29.7368
<b>Total</b>	<b>16.6770</b>	<b>3.0881</b>	<b>21.0330</b>	<b>0.0404</b>	<b>2.1410</b>	<b>1.1623</b>	<b>3.3032</b>	<b>0.5763</b>	<b>1.1572</b>	<b>1.7334</b>	<b>166.1972</b>	<b>2,921.1942</b>	<b>3,087.3914</b>	<b>4.0352</b>	<b>0.0214</b>	<b>3,178.7516</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	0.05	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	1/1/2018	4/6/2018	5	70	
2	Site Preparation	Site Preparation	4/7/2018	6/1/2018	5	40	
3	Grading	Grading	6/2/2018	11/2/2018	5	110	
4	Building Construction	Building Construction	11/3/2018	2/3/2023	5	1110	
5	Paving	Paving	2/4/2023	5/19/2023	5	75	
6	Architectural Coating	Architectural Coating	5/20/2023	9/1/2023	5	75	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 275**

**Acres of Paving: 0**

**Residential Indoor: 364,500; Residential Outdoor: 121,500; Non-Residential Indoor: 2,447,742; Non-Residential Outdoor: 815,914  
(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
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	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	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	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
Demolition	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
Grading	8	20.00	0.00	125.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	721.00	278.00	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
Architectural Coating	1	144.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 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	tons/yr										MT/yr					
Off-Road	0.1246	1.2891	1.1104	1.4000e-003		0.0633	0.0633		0.0590	0.0590	0.0000	126.4765	126.4765	0.0350	0.0000	127.2109
<b>Total</b>	<b>0.1246</b>	<b>1.2891</b>	<b>1.1104</b>	<b>1.4000e-003</b>		<b>0.0633</b>	<b>0.0633</b>		<b>0.0590</b>	<b>0.0590</b>	<b>0.0000</b>	<b>126.4765</b>	<b>126.4765</b>	<b>0.0350</b>	<b>0.0000</b>	<b>127.2109</b>



### 3.2 Demolition - 2018

#### 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	1.9500e-003	3.5700e-003	0.0308	7.0000e-005	6.3900e-003	5.0000e-005	6.4300e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.0840	5.0840	2.6000e-004	0.0000	5.0894
<b>Total</b>	<b>1.9500e-003</b>	<b>3.5700e-003</b>	<b>0.0308</b>	<b>7.0000e-005</b>	<b>6.3900e-003</b>	<b>5.0000e-005</b>	<b>6.4300e-003</b>	<b>1.7000e-003</b>	<b>4.0000e-005</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>5.0840</b>	<b>5.0840</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>5.0894</b>

#### 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	0.1246	1.2891	1.1104	1.4000e-003		0.0633	0.0633		0.0590	0.0590	0.0000	126.4764	126.4764	0.0350	0.0000	127.2108
<b>Total</b>	<b>0.1246</b>	<b>1.2891</b>	<b>1.1104</b>	<b>1.4000e-003</b>		<b>0.0633</b>	<b>0.0633</b>		<b>0.0590</b>	<b>0.0590</b>	<b>0.0000</b>	<b>126.4764</b>	<b>126.4764</b>	<b>0.0350</b>	<b>0.0000</b>	<b>127.2108</b>

### 3.2 Demolition - 2018

#### 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	1.9500e-003	3.5700e-003	0.0308	7.0000e-005	6.3900e-003	5.0000e-005	6.4300e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.0840	5.0840	2.6000e-004	0.0000	5.0894
<b>Total</b>	<b>1.9500e-003</b>	<b>3.5700e-003</b>	<b>0.0308</b>	<b>7.0000e-005</b>	<b>6.3900e-003</b>	<b>5.0000e-005</b>	<b>6.4300e-003</b>	<b>1.7000e-003</b>	<b>4.0000e-005</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>5.0840</b>	<b>5.0840</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>5.0894</b>

### 3.3 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	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0858	0.9122	0.7247	7.8000e-004		0.0473	0.0473		0.0435	0.0435	0.0000	71.4820	71.4820	0.0223	0.0000	71.9494
<b>Total</b>	<b>0.0858</b>	<b>0.9122</b>	<b>0.7247</b>	<b>7.8000e-004</b>	<b>0.3613</b>	<b>0.0473</b>	<b>0.4086</b>	<b>0.1986</b>	<b>0.0435</b>	<b>0.2421</b>	<b>0.0000</b>	<b>71.4820</b>	<b>71.4820</b>	<b>0.0223</b>	<b>0.0000</b>	<b>71.9494</b>

### 3.3 Site Preparation - 2018

#### 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	1.3300e-003	2.4500e-003	0.0211	5.0000e-005	4.3800e-003	3.0000e-005	4.4100e-003	1.1700e-003	3.0000e-005	1.1900e-003	0.0000	3.4862	3.4862	1.8000e-004	0.0000	3.4899
<b>Total</b>	<b>1.3300e-003</b>	<b>2.4500e-003</b>	<b>0.0211</b>	<b>5.0000e-005</b>	<b>4.3800e-003</b>	<b>3.0000e-005</b>	<b>4.4100e-003</b>	<b>1.1700e-003</b>	<b>3.0000e-005</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>3.4862</b>	<b>3.4862</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.4899</b>

#### 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					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0858	0.9122	0.7247	7.8000e-004		0.0473	0.0473		0.0435	0.0435	0.0000	71.4820	71.4820	0.0223	0.0000	71.9493
<b>Total</b>	<b>0.0858</b>	<b>0.9122</b>	<b>0.7247</b>	<b>7.8000e-004</b>	<b>0.3613</b>	<b>0.0473</b>	<b>0.4086</b>	<b>0.1986</b>	<b>0.0435</b>	<b>0.2421</b>	<b>0.0000</b>	<b>71.4820</b>	<b>71.4820</b>	<b>0.0223</b>	<b>0.0000</b>	<b>71.9493</b>

### 3.3 Site Preparation - 2018

#### 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	1.3300e-003	2.4500e-003	0.0211	5.0000e-005	4.3800e-003	3.0000e-005	4.4100e-003	1.1700e-003	3.0000e-005	1.1900e-003	0.0000	3.4862	3.4862	1.8000e-004	0.0000	3.4899
<b>Total</b>	<b>1.3300e-003</b>	<b>2.4500e-003</b>	<b>0.0211</b>	<b>5.0000e-005</b>	<b>4.3800e-003</b>	<b>3.0000e-005</b>	<b>4.4100e-003</b>	<b>1.1700e-003</b>	<b>3.0000e-005</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>3.4862</b>	<b>3.4862</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.4899</b>

### 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	tons/yr										MT/yr					
Fugitive Dust					0.4772	0.0000	0.4772	0.1978	0.0000	0.1978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9889	309.9889	0.0965	0.0000	312.0154
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.4772</b>	<b>0.1533</b>	<b>0.6305</b>	<b>0.1978</b>	<b>0.1411</b>	<b>0.3389</b>	<b>0.0000</b>	<b>309.9889</b>	<b>309.9889</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0154</b>

### 3.4 Grading - 2018

#### 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	1.8800e-003	0.0145	0.0219	5.0000e-005	1.0500e-003	2.1000e-004	1.2600e-003	2.9000e-004	2.0000e-004	4.8000e-004	0.0000	4.1555	4.1555	3.0000e-005	0.0000	4.1561
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	4.0800e-003	7.4800e-003	0.0644	1.5000e-004	0.0134	1.0000e-004	0.0135	3.5600e-003	9.0000e-005	3.6500e-003	0.0000	10.6521	10.6521	5.4000e-004	0.0000	10.6634
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0220</b>	<b>0.0864</b>	<b>2.0000e-004</b>	<b>0.0144</b>	<b>3.1000e-004</b>	<b>0.0147</b>	<b>3.8500e-003</b>	<b>2.9000e-004</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>14.8076</b>	<b>14.8076</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>14.8195</b>

#### 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					0.4772	0.0000	0.4772	0.1978	0.0000	0.1978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9885	309.9885	0.0965	0.0000	312.0151
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.4772</b>	<b>0.1533</b>	<b>0.6305</b>	<b>0.1978</b>	<b>0.1411</b>	<b>0.3389</b>	<b>0.0000</b>	<b>309.9885</b>	<b>309.9885</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0151</b>

### 3.4 Grading - 2018

#### 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	1.8800e-003	0.0145	0.0219	5.0000e-005	1.0500e-003	2.1000e-004	1.2600e-003	2.9000e-004	2.0000e-004	4.8000e-004	0.0000	4.1555	4.1555	3.0000e-005	0.0000	4.1561
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	4.0800e-003	7.4800e-003	0.0644	1.5000e-004	0.0134	1.0000e-004	0.0135	3.5600e-003	9.0000e-005	3.6500e-003	0.0000	10.6521	10.6521	5.4000e-004	0.0000	10.6634
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0220</b>	<b>0.0864</b>	<b>2.0000e-004</b>	<b>0.0144</b>	<b>3.1000e-004</b>	<b>0.0147</b>	<b>3.8500e-003</b>	<b>2.9000e-004</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>14.8076</b>	<b>14.8076</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>14.8195</b>

### 3.5 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	tons/yr										MT/yr					
Off-Road	0.0547	0.4769	0.3594	5.5000e-004		0.0306	0.0306		0.0288	0.0288	0.0000	48.5378	48.5378	0.0119	0.0000	48.7872
<b>Total</b>	<b>0.0547</b>	<b>0.4769</b>	<b>0.3594</b>	<b>5.5000e-004</b>		<b>0.0306</b>	<b>0.0306</b>		<b>0.0288</b>	<b>0.0288</b>	<b>0.0000</b>	<b>48.5378</b>	<b>48.5378</b>	<b>0.0119</b>	<b>0.0000</b>	<b>48.7872</b>

### 3.5 Building Construction - 2018

#### 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	0.0893	0.4492	1.1197	1.2500e-003	0.0331	6.7500e-003	0.0398	9.5100e-003	6.2000e-003	0.0157	0.0000	109.6898	109.6898	8.6000e-004	0.0000	109.7079
Worker	0.0548	0.1005	0.8659	2.0700e-003	0.1798	1.2800e-003	0.1811	0.0479	1.1800e-003	0.0490	0.0000	143.1308	143.1308	7.2300e-003	0.0000	143.2827
<b>Total</b>	<b>0.1440</b>	<b>0.5497</b>	<b>1.9855</b>	<b>3.3200e-003</b>	<b>0.2129</b>	<b>8.0300e-003</b>	<b>0.2209</b>	<b>0.0574</b>	<b>7.3800e-003</b>	<b>0.0648</b>	<b>0.0000</b>	<b>252.8206</b>	<b>252.8206</b>	<b>8.0900e-003</b>	<b>0.0000</b>	<b>252.9906</b>

#### 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	0.0547	0.4769	0.3594	5.5000e-004		0.0306	0.0306		0.0288	0.0288	0.0000	48.5377	48.5377	0.0119	0.0000	48.7872
<b>Total</b>	<b>0.0547</b>	<b>0.4769</b>	<b>0.3594</b>	<b>5.5000e-004</b>		<b>0.0306</b>	<b>0.0306</b>		<b>0.0288</b>	<b>0.0288</b>	<b>0.0000</b>	<b>48.5377</b>	<b>48.5377</b>	<b>0.0119</b>	<b>0.0000</b>	<b>48.7872</b>

**3.5 Building Construction - 2018****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	0.0893	0.4492	1.1197	1.2500e-003	0.0331	6.7500e-003	0.0398	9.5100e-003	6.2000e-003	0.0157	0.0000	109.6898	109.6898	8.6000e-004	0.0000	109.7079
Worker	0.0548	0.1005	0.8659	2.0700e-003	0.1798	1.2800e-003	0.1811	0.0479	1.1800e-003	0.0490	0.0000	143.1308	143.1308	7.2300e-003	0.0000	143.2827
<b>Total</b>	<b>0.1440</b>	<b>0.5497</b>	<b>1.9855</b>	<b>3.3200e-003</b>	<b>0.2129</b>	<b>8.0300e-003</b>	<b>0.2209</b>	<b>0.0574</b>	<b>7.3800e-003</b>	<b>0.0648</b>	<b>0.0000</b>	<b>252.8206</b>	<b>252.8206</b>	<b>8.0900e-003</b>	<b>0.0000</b>	<b>252.9906</b>

**3.5 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	tons/yr										MT/yr					
Off-Road	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913
<b>Total</b>	<b>0.3069</b>	<b>2.7359</b>	<b>2.2342</b>	<b>3.5000e-003</b>		<b>0.1677</b>	<b>0.1677</b>		<b>0.1577</b>	<b>0.1577</b>	<b>0.0000</b>	<b>305.5302</b>	<b>305.5302</b>	<b>0.0743</b>	<b>0.0000</b>	<b>307.0913</b>



### 3.5 Building Construction - 2019

#### 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	0.5477	2.6594	6.9493	7.9700e-003	0.2105	0.0400	0.2505	0.0606	0.0367	0.0973	0.0000	686.5975	686.5975	5.3300e-003	0.0000	686.7095
Worker	0.3009	0.5701	4.8413	0.0132	1.1446	7.8400e-003	1.1524	0.3047	7.2500e-003	0.3119	0.0000	878.1507	878.1507	0.0420	0.0000	879.0333
<b>Total</b>	<b>0.8486</b>	<b>3.2294</b>	<b>11.7906</b>	<b>0.0211</b>	<b>1.3551</b>	<b>0.0478</b>	<b>1.4029</b>	<b>0.3653</b>	<b>0.0440</b>	<b>0.4092</b>	<b>0.0000</b>	<b>1,564.7481</b>	<b>1,564.7481</b>	<b>0.0474</b>	<b>0.0000</b>	<b>1,565.7428</b>

#### 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	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909
<b>Total</b>	<b>0.3069</b>	<b>2.7359</b>	<b>2.2342</b>	<b>3.5000e-003</b>		<b>0.1677</b>	<b>0.1677</b>		<b>0.1577</b>	<b>0.1577</b>	<b>0.0000</b>	<b>305.5299</b>	<b>305.5299</b>	<b>0.0743</b>	<b>0.0000</b>	<b>307.0909</b>

**3.5 Building Construction - 2019****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	0.5477	2.6594	6.9493	7.9700e-003	0.2105	0.0400	0.2505	0.0606	0.0367	0.0973	0.0000	686.5975	686.5975	5.3300e-003	0.0000	686.7095
Worker	0.3009	0.5701	4.8413	0.0132	1.1446	7.8400e-003	1.1524	0.3047	7.2500e-003	0.3119	0.0000	878.1507	878.1507	0.0420	0.0000	879.0333
<b>Total</b>	<b>0.8486</b>	<b>3.2294</b>	<b>11.7906</b>	<b>0.0211</b>	<b>1.3551</b>	<b>0.0478</b>	<b>1.4029</b>	<b>0.3653</b>	<b>0.0440</b>	<b>0.4092</b>	<b>0.0000</b>	<b>1,564.7481</b>	<b>1,564.7481</b>	<b>0.0474</b>	<b>0.0000</b>	<b>1,565.7428</b>

**3.5 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	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1514</b>	<b>302.1514</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6973</b>

### 3.5 Building Construction - 2020

#### 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	0.3988	2.1961	6.1044	7.9600e-003	0.2114	0.0346	0.2460	0.0608	0.0319	0.0927	0.0000	672.4976	672.4976	5.1100e-003	0.0000	672.6049
Worker	0.2703	0.5191	4.3750	0.0132	1.1490	7.7000e-003	1.1567	0.3058	7.1400e-003	0.3130	0.0000	846.3855	846.3855	0.0392	0.0000	847.2094
<b>Total</b>	<b>0.6691</b>	<b>2.7152</b>	<b>10.4794</b>	<b>0.0212</b>	<b>1.3603</b>	<b>0.0423</b>	<b>1.4026</b>	<b>0.3667</b>	<b>0.0390</b>	<b>0.4057</b>	<b>0.0000</b>	<b>1,518.8831</b>	<b>1,518.8831</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1,519.8143</b>

#### 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	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1510</b>	<b>302.1510</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6969</b>

### 3.5 Building Construction - 2020

#### 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	0.3988	2.1961	6.1044	7.9600e-003	0.2114	0.0346	0.2460	0.0608	0.0319	0.0927	0.0000	672.4976	672.4976	5.1100e-003	0.0000	672.6049
Worker	0.2703	0.5191	4.3750	0.0132	1.1490	7.7000e-003	1.1567	0.3058	7.1400e-003	0.3130	0.0000	846.3855	846.3855	0.0392	0.0000	847.2094
<b>Total</b>	<b>0.6691</b>	<b>2.7152</b>	<b>10.4794</b>	<b>0.0212</b>	<b>1.3603</b>	<b>0.0423</b>	<b>1.4026</b>	<b>0.3667</b>	<b>0.0390</b>	<b>0.4057</b>	<b>0.0000</b>	<b>1,518.8831</b>	<b>1,518.8831</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1,519.8143</b>

### 3.5 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	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0339</b>	<b>301.0339</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5568</b>

### 3.5 Building Construction - 2021

#### 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	0.3966	1.7466	5.9621	7.9200e-003	0.2106	0.0305	0.2411	0.0606	0.0281	0.0887	0.0000	668.8459	668.8459	5.0500e-003	0.0000	668.9521
Worker	0.2502	0.4784	4.0366	0.0132	1.1446	7.6200e-003	1.1522	0.3047	7.0700e-003	0.3117	0.0000	829.1248	829.1248	0.0370	0.0000	829.9018
<b>Total</b>	<b>0.6468</b>	<b>2.2250</b>	<b>9.9987</b>	<b>0.0211</b>	<b>1.3552</b>	<b>0.0381</b>	<b>1.3933</b>	<b>0.3653</b>	<b>0.0351</b>	<b>0.4004</b>	<b>0.0000</b>	<b>1,497.9708</b>	<b>1,497.9708</b>	<b>0.0421</b>	<b>0.0000</b>	<b>1,498.8539</b>

#### 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	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0335</b>	<b>301.0335</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5565</b>

### 3.5 Building Construction - 2021

#### 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	0.3966	1.7466	5.9621	7.9200e-003	0.2106	0.0305	0.2411	0.0606	0.0281	0.0887	0.0000	668.8459	668.8459	5.0500e-003	0.0000	668.9521
Worker	0.2502	0.4784	4.0366	0.0132	1.1446	7.6200e-003	1.1522	0.3047	7.0700e-003	0.3117	0.0000	829.1248	829.1248	0.0370	0.0000	829.9018
<b>Total</b>	<b>0.6468</b>	<b>2.2250</b>	<b>9.9987</b>	<b>0.0211</b>	<b>1.3552</b>	<b>0.0381</b>	<b>1.3933</b>	<b>0.3653</b>	<b>0.0351</b>	<b>0.4004</b>	<b>0.0000</b>	<b>1,497.9708</b>	<b>1,497.9708</b>	<b>0.0421</b>	<b>0.0000</b>	<b>1,498.8539</b>

### 3.5 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	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9946</b>	<b>299.9946</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5017</b>

### 3.5 Building Construction - 2022

#### 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	0.3715	1.5369	5.7605	7.8700e-003	0.2098	0.0298	0.2396	0.0604	0.0274	0.0878	0.0000	665.6071	665.6071	5.1300e-003	0.0000	665.7149
Worker	0.2329	0.4439	3.7429	0.0131	1.1402	7.5600e-003	1.1477	0.3035	7.0100e-003	0.3105	0.0000	813.3126	813.3126	0.0351	0.0000	814.0496
<b>Total</b>	<b>0.6044</b>	<b>1.9808</b>	<b>9.5033</b>	<b>0.0210</b>	<b>1.3500</b>	<b>0.0374</b>	<b>1.3874</b>	<b>0.3639</b>	<b>0.0344</b>	<b>0.3983</b>	<b>0.0000</b>	<b>1,478.9197</b>	<b>1,478.9197</b>	<b>0.0402</b>	<b>0.0000</b>	<b>1,479.7646</b>

#### 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	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9943</b>	<b>299.9943</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5013</b>

### 3.5 Building Construction - 2022

#### 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	0.3715	1.5369	5.7605	7.8700e-003	0.2098	0.0298	0.2396	0.0604	0.0274	0.0878	0.0000	665.6071	665.6071	5.1300e-003	0.0000	665.7149
Worker	0.2329	0.4439	3.7429	0.0131	1.1402	7.5600e-003	1.1477	0.3035	7.0100e-003	0.3105	0.0000	813.3126	813.3126	0.0351	0.0000	814.0496
<b>Total</b>	<b>0.6044</b>	<b>1.9808</b>	<b>9.5033</b>	<b>0.0210</b>	<b>1.3500</b>	<b>0.0374</b>	<b>1.3874</b>	<b>0.3639</b>	<b>0.0344</b>	<b>0.3983</b>	<b>0.0000</b>	<b>1,478.9197</b>	<b>1,478.9197</b>	<b>0.0402</b>	<b>0.0000</b>	<b>1,479.7646</b>

### 3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.0196	0.1789	0.2026	3.4000e-004		8.7100e-003	8.7100e-003		8.2000e-003	8.2000e-003	0.0000	28.8556	28.8556	6.8500e-003	0.0000	28.9995
<b>Total</b>	<b>0.0196</b>	<b>0.1789</b>	<b>0.2026</b>	<b>3.4000e-004</b>		<b>8.7100e-003</b>	<b>8.7100e-003</b>		<b>8.2000e-003</b>	<b>8.2000e-003</b>	<b>0.0000</b>	<b>28.8556</b>	<b>28.8556</b>	<b>6.8500e-003</b>	<b>0.0000</b>	<b>28.9995</b>



### 3.5 Building Construction - 2023

#### 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	0.0353	0.1323	0.5311	7.6000e-004	0.0202	2.7300e-003	0.0229	5.8100e-003	2.5200e-003	8.3200e-003	0.0000	63.9012	63.9012	4.7000e-004	0.0000	63.9110
Worker	0.0210	0.0399	0.3360	1.2600e-003	0.1096	7.2000e-004	0.1104	0.0292	6.7000e-004	0.0299	0.0000	77.1097	77.1097	3.2300e-003	0.0000	77.1775
<b>Total</b>	<b>0.0563</b>	<b>0.1723</b>	<b>0.8672</b>	<b>2.0200e-003</b>	<b>0.1298</b>	<b>3.4500e-003</b>	<b>0.1333</b>	<b>0.0350</b>	<b>3.1900e-003</b>	<b>0.0382</b>	<b>0.0000</b>	<b>141.0109</b>	<b>141.0109</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>141.0885</b>

#### 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	0.0196	0.1789	0.2026	3.4000e-004		8.7100e-003	8.7100e-003		8.2000e-003	8.2000e-003	0.0000	28.8555	28.8555	6.8500e-003	0.0000	28.9995
<b>Total</b>	<b>0.0196</b>	<b>0.1789</b>	<b>0.2026</b>	<b>3.4000e-004</b>		<b>8.7100e-003</b>	<b>8.7100e-003</b>		<b>8.2000e-003</b>	<b>8.2000e-003</b>	<b>0.0000</b>	<b>28.8555</b>	<b>28.8555</b>	<b>6.8500e-003</b>	<b>0.0000</b>	<b>28.9995</b>

### 3.5 Building Construction - 2023

#### 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	0.0353	0.1323	0.5311	7.6000e-004	0.0202	2.7300e-003	0.0229	5.8100e-003	2.5200e-003	8.3200e-003	0.0000	63.9012	63.9012	4.7000e-004	0.0000	63.9110
Worker	0.0210	0.0399	0.3360	1.2600e-003	0.1096	7.2000e-004	0.1104	0.0292	6.7000e-004	0.0299	0.0000	77.1097	77.1097	3.2300e-003	0.0000	77.1775
<b>Total</b>	<b>0.0563</b>	<b>0.1723</b>	<b>0.8672</b>	<b>2.0200e-003</b>	<b>0.1298</b>	<b>3.4500e-003</b>	<b>0.1333</b>	<b>0.0350</b>	<b>3.1900e-003</b>	<b>0.0382</b>	<b>0.0000</b>	<b>141.0109</b>	<b>141.0109</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>141.0885</b>

### 3.6 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	tons/yr										MT/yr					
Off-Road	0.0380	0.3749	0.5357	8.4000e-004		0.0188	0.0188		0.0173	0.0173	0.0000	73.5029	73.5029	0.0238	0.0000	74.0021
Paving	0.0477					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0856</b>	<b>0.3749</b>	<b>0.5357</b>	<b>8.4000e-004</b>		<b>0.0188</b>	<b>0.0188</b>		<b>0.0173</b>	<b>0.0173</b>	<b>0.0000</b>	<b>73.5029</b>	<b>73.5029</b>	<b>0.0238</b>	<b>0.0000</b>	<b>74.0021</b>

### 3.6 Paving - 2023

#### 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	1.3100e-003	2.4900e-003	0.0210	8.0000e-005	6.8400e-003	5.0000e-005	6.8900e-003	1.8200e-003	4.0000e-005	1.8600e-003	0.0000	4.8127	4.8127	2.0000e-004	0.0000	4.8169
<b>Total</b>	<b>1.3100e-003</b>	<b>2.4900e-003</b>	<b>0.0210</b>	<b>8.0000e-005</b>	<b>6.8400e-003</b>	<b>5.0000e-005</b>	<b>6.8900e-003</b>	<b>1.8200e-003</b>	<b>4.0000e-005</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>4.8127</b>	<b>4.8127</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>4.8169</b>

#### 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	0.0380	0.3749	0.5357	8.4000e-004		0.0188	0.0188		0.0173	0.0173	0.0000	73.5028	73.5028	0.0238	0.0000	74.0020
Paving	0.0477					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0856</b>	<b>0.3749</b>	<b>0.5357</b>	<b>8.4000e-004</b>		<b>0.0188</b>	<b>0.0188</b>		<b>0.0173</b>	<b>0.0173</b>	<b>0.0000</b>	<b>73.5028</b>	<b>73.5028</b>	<b>0.0238</b>	<b>0.0000</b>	<b>74.0020</b>

### 3.6 Paving - 2023

#### 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	1.3100e-003	2.4900e-003	0.0210	8.0000e-005	6.8400e-003	5.0000e-005	6.8900e-003	1.8200e-003	4.0000e-005	1.8600e-003	0.0000	4.8127	4.8127	2.0000e-004	0.0000	4.8169
<b>Total</b>	<b>1.3100e-003</b>	<b>2.4900e-003</b>	<b>0.0210</b>	<b>8.0000e-005</b>	<b>6.8400e-003</b>	<b>5.0000e-005</b>	<b>6.8900e-003</b>	<b>1.8200e-003</b>	<b>4.0000e-005</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>4.8127</b>	<b>4.8127</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>4.8169</b>

### 3.7 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	tons/yr										MT/yr					
Archit. Coating	21.7246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1900e-003	0.0489	0.0679	1.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	9.5747	9.5747	5.7000e-004	0.0000	9.5867
<b>Total</b>	<b>21.7318</b>	<b>0.0489</b>	<b>0.0679</b>	<b>1.1000e-004</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>9.5867</b>

### 3.7 Architectural Coating - 2023

#### 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	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	0.0000
Worker	0.0126	0.0239	0.2013	7.5000e-004	0.0657	4.3000e-004	0.0661	0.0175	4.0000e-004	0.0179	0.0000	46.2017	46.2017	1.9300e-003	0.0000	46.2423	46.2423
<b>Total</b>	<b>0.0126</b>	<b>0.0239</b>	<b>0.2013</b>	<b>7.5000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0175</b>	<b>4.0000e-004</b>	<b>0.0179</b>	<b>0.0000</b>	<b>46.2017</b>	<b>46.2017</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>46.2423</b>	<b>46.2423</b>

#### 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	21.7246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1900e-003	0.0489	0.0679	1.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	9.5747	9.5747	5.7000e-004	0.0000	9.5867
<b>Total</b>	<b>21.7318</b>	<b>0.0489</b>	<b>0.0679</b>	<b>1.1000e-004</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>9.5867</b>

### 3.7 Architectural Coating - 2023

#### 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	0.0126	0.0239	0.2013	7.5000e-004	0.0657	4.3000e-004	0.0661	0.0175	4.0000e-004	0.0179	0.0000	46.2017	46.2017	1.9300e-003	0.0000	46.2423
<b>Total</b>	<b>0.0126</b>	<b>0.0239</b>	<b>0.2013</b>	<b>7.5000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0175</b>	<b>4.0000e-004</b>	<b>0.0179</b>	<b>0.0000</b>	<b>46.2017</b>	<b>46.2017</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>46.2423</b>

### 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	1.1197	2.9020	12.5050	0.0367	2.1410	0.0647	2.2057	0.5763	0.0596	0.6359	0.0000	2,560.0063	2,560.0063	0.0534	0.0000	2,561.1270
Unmitigated	1.1197	2.9020	12.5050	0.0367	2.1410	0.0647	2.2057	0.5763	0.0596	0.6359	0.0000	2,560.0063	2,560.0063	0.0534	0.0000	2,561.1270

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	58.99	11.17	5.76	172,144	172,144
General Office Building	22.42	4.83	2.00	46,895	46,895
Health Club	1,206.09	764.38	979.01	1,992,826	1,992,826
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	957.00	1,008.00	877.00	3,543,408	3,543,408
<b>Total</b>	<b>2,244.50</b>	<b>1,788.38</b>	<b>1,863.76</b>	<b>5,755,274</b>	<b>5,755,274</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Office Building	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.335306	0.054873	0.250255	0.147783	0.078399	0.009514	0.021129	0.084972	0.001775	0.000542	0.009904	0.000540	0.005008

### 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	194.3700	194.3700	0.0127	2.6200e-003	195.4484
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	194.3700	194.3700	0.0127	2.6200e-003	195.4484
NaturalGas Mitigated	0.0107	0.0924	0.0435	5.9000e-004		7.4200e-003	7.4200e-003		7.4200e-003	7.4200e-003	0.0000	106.2432	106.2432	2.0400e-003	1.9500e-003	106.8897
NaturalGas Unmitigated	0.0107	0.0924	0.0435	5.9000e-004		7.4200e-003	7.4200e-003		7.4200e-003	7.4200e-003	0.0000	106.2432	106.2432	2.0400e-003	1.9500e-003	106.8897

**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 Office Building	41860.2	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2338	2.2338	4.0000e-005	4.0000e-005	2.2474
Health Club	134784	7.3000e-004	6.6100e-003	5.5500e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.1926	7.1926	1.4000e-004	1.3000e-004	7.2363
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.78313e+006	9.6100e-003	0.0822	0.0350	5.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	95.1546	95.1546	1.8200e-003	1.7400e-003	95.7337
General Light Industry	31147.5	1.7000e-004	1.5300e-003	1.2800e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.6622	1.6622	3.0000e-005	3.0000e-005	1.6723
<b>Total</b>		<b>0.0107</b>	<b>0.0924</b>	<b>0.0435</b>	<b>5.8000e-004</b>		<b>7.4200e-003</b>	<b>7.4200e-003</b>		<b>7.4200e-003</b>	<b>7.4200e-003</b>	<b>0.0000</b>	<b>106.2432</b>	<b>106.2432</b>	<b>2.0300e-003</b>	<b>1.9400e-003</b>	<b>106.8897</b>



### 5.2 Energy by Land Use - NaturalGas

#### 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 Office Building	41860.2	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2338	2.2338	4.0000e-005	4.0000e-005	2.2474
Health Club	134784	7.3000e-004	6.6100e-003	5.5500e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.1926	7.1926	1.4000e-004	1.3000e-004	7.2363
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.78313e+006	9.6100e-003	0.0822	0.0350	5.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	95.1546	95.1546	1.8200e-003	1.7400e-003	95.7337
General Light Industry	31147.5	1.7000e-004	1.5300e-003	1.2800e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.6622	1.6622	3.0000e-005	3.0000e-005	1.6723
<b>Total</b>		<b>0.0107</b>	<b>0.0924</b>	<b>0.0435</b>	<b>5.8000e-004</b>		<b>7.4200e-003</b>	<b>7.4200e-003</b>		<b>7.4200e-003</b>	<b>7.4200e-003</b>	<b>0.0000</b>	<b>106.2432</b>	<b>106.2432</b>	<b>2.0300e-003</b>	<b>1.9400e-003</b>	<b>106.8897</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	40034.7	8.0810	5.3000e-004	1.1000e-004	8.1258
General Office Building	25144.6	5.0754	3.3000e-004	7.0000e-005	5.1036
Health Club	173241	34.9685	2.2800e-003	4.7000e-004	35.1625
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	724529	146.2452	9.5300e-003	1.9700e-003	147.0566
<b>Total</b>		<b>194.3700</b>	<b>0.0127</b>	<b>2.6200e-003</b>	<b>195.4484</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	40034.7	8.0810	5.3000e-004	1.1000e-004	8.1258
General Office Building	25144.6	5.0754	3.3000e-004	7.0000e-005	5.1036
Health Club	173241	34.9685	2.2800e-003	4.7000e-004	35.1625
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	724529	146.2452	9.5300e-003	1.9700e-003	147.0566
<b>Total</b>		<b>194.3700</b>	<b>0.0127</b>	<b>2.6200e-003</b>	<b>195.4484</b>

### 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	15.5467	0.0938	8.4845	3.0600e-003		1.0901	1.0901		1.0901	1.0901	103.2958	44.5628	147.8586	0.0966	8.1200e-003	152.4049
Unmitigated	15.5467	0.0938	8.4845	3.0600e-003		1.0901	1.0901		1.0901	1.0901	103.2958	44.5628	147.8586	0.0966	8.1200e-003	152.4049

## 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	2.1725					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.2746	0.0851	7.7297	3.0200e-003		1.0860	1.0860		1.0859	1.0859	103.2958	43.3207	146.6165	0.0953	8.1200e-003	151.1371
Landscaping	0.0235	8.6700e-003	0.7548	4.0000e-005		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	1.2420	1.2420	1.2300e-003	0.0000	1.2679
<b>Total</b>	<b>15.5467</b>	<b>0.0938</b>	<b>8.4845</b>	<b>3.0600e-003</b>		<b>1.0901</b>	<b>1.0901</b>		<b>1.0901</b>	<b>1.0901</b>	<b>103.2958</b>	<b>44.5628</b>	<b>147.8586</b>	<b>0.0966</b>	<b>8.1200e-003</b>	<b>152.4049</b>

### 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	tons/yr										MT/yr					
Architectural Coating	2.1725					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.2746	0.0851	7.7297	3.0200e-003		1.0860	1.0860		1.0859	1.0859	103.2958	43.3207	146.6165	0.0953	8.1200e-003	151.1371
Landscaping	0.0235	8.6700e-003	0.7548	4.0000e-005		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	1.2420	1.2420	1.2300e-003	0.0000	1.2679
<b>Total</b>	<b>15.5467</b>	<b>0.0938</b>	<b>8.4845</b>	<b>3.0600e-003</b>		<b>1.0901</b>	<b>1.0901</b>		<b>1.0901</b>	<b>1.0901</b>	<b>103.2958</b>	<b>44.5628</b>	<b>147.8586</b>	<b>0.0966</b>	<b>8.1200e-003</b>	<b>152.4049</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.5020	0.3594	8.6700e-003	29.7368
Unmitigated	19.5020	0.3595	8.6800e-003	29.7424

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.95638 / 0	2.7574	0.0639	1.5300e-003	4.5746
General Office Building	0.362577 / 0.222225	0.6680	0.0119	2.9000e-004	1.0057
Health Club	2.16641 / 1.3278	3.9915	0.0708	1.7100e-003	6.0090
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	12.0850	0.2130	5.1500e-003	18.1530
<b>Total</b>		<b>19.5020</b>	<b>0.3595</b>	<b>8.6800e-003</b>	<b>29.7424</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.95638 / 0	2.7574	0.0639	1.5300e-003	4.5736
General Office Building	0.362577 / 0.222225	0.6680	0.0119	2.9000e-004	1.0055
Health Club	2.16641 / 1.3278	3.9915	0.0708	1.7100e-003	6.0079
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	12.0850	0.2129	5.1400e-003	18.1497
<b>Total</b>		<b>19.5020</b>	<b>0.3595</b>	<b>8.6700e-003</b>	<b>29.7368</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	59.4114	3.5111	0.0000	133.1448
Unmitigated	59.4114	3.5111	0.0000	133.1448

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	10.49	2.1294	0.1258	0.0000	4.7721
General Office Building	1.9	0.3857	0.0228	0.0000	0.8643
Health Club	208.79	42.3825	2.5047	0.0000	94.9819
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	71.5	14.5139	0.8577	0.0000	32.5265
<b>Total</b>		<b>59.4114</b>	<b>3.5111</b>	<b>0.0000</b>	<b>133.1448</b>



## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	10.49	2.1294	0.1258	0.0000	4.7721
General Office Building	1.9	0.3857	0.0228	0.0000	0.8643
Health Club	208.79	42.3825	2.5047	0.0000	94.9819
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	71.5	14.5139	0.8577	0.0000	32.5265
<b>Total</b>		<b>59.4114</b>	<b>3.5111</b>	<b>0.0000</b>	<b>133.1448</b>

## 9.0 Operational Offroad

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