

**APPENDIX A**

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**Air Quality Modeling**



## Honolulu Village Project South Coast Air Basin, Annual

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	23.54	1000sqft	0.54	23,534.00	0
Condo/Townhouse	28.00	Dwelling Unit	1.75	38,287.00	80

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2019
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - The project would develop 28 multifamily residential units across a 43,609 square foot site, or approximately 1 acre.

Construction Phase - Construction would take approximately 14 months and would involve demolition, site preparation/grading, and building construction.

Demolition -

Grading - 43,609 square feet, or approximately 1-acre, would be disturbed

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - Fugitive dust control measures pursuant with SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - VOC control measures pursuant to SCAQMD Rule 1113

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	70.00
tblConstructionPhase	NumDays	220.00	210.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	10.00
tblConstructionPhase	PhaseEndDate	2/7/2018	1/26/2018
tblConstructionPhase	PhaseEndDate	2/23/2018	11/29/2017
tblConstructionPhase	PhaseStartDate	11/2/2017	10/23/2017
tblConstructionPhase	PhaseStartDate	1/27/2018	11/2/2017
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.40	0.00
tblGrading	AcresOfGrading	10.00	1.00
tblGrading	AcresOfGrading	15.00	1.00

tblLandUse	LandUseSquareFeet	23,540.00	23,534.00
tblLandUse	LandUseSquareFeet	28,000.00	38,287.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblTripsAndVMT	HaulingTripNumber	49.00	1,058.00
tblTripsAndVMT	HaulingTripNumber	0.00	622.00
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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## 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					
2016	0.0764	0.8548	0.6162	1.0700e-003	0.0831	0.0398	0.1229	0.0385	0.0370	0.0754	0.0000	98.4647	98.4647	0.0137	0.0000	98.7516
2017	0.7072	2.8446	2.2496	3.6700e-003	0.1081	0.1760	0.2841	0.0458	0.1681	0.2139	0.0000	309.5604	309.5604	0.0592	0.0000	310.8043
2018	0.1239	0.0204	0.0216	4.0000e-005	6.6000e-004	1.5100e-003	2.1700e-003	1.7000e-004	1.5100e-003	1.6900e-003	0.0000	3.1242	3.1242	2.7000e-004	0.0000	3.1299
<b>Total</b>	<b>0.9075</b>	<b>3.7198</b>	<b>2.8874</b>	<b>4.7800e-003</b>	<b>0.1919</b>	<b>0.2174</b>	<b>0.4092</b>	<b>0.0845</b>	<b>0.2065</b>	<b>0.2910</b>	<b>0.0000</b>	<b>411.1493</b>	<b>411.1493</b>	<b>0.0732</b>	<b>0.0000</b>	<b>412.6859</b>

### 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					
2016	0.0260	0.4631	0.4967	1.0700e-003	0.0425	0.0167	0.0592	0.0177	0.0165	0.0342	0.0000	98.4647	98.4647	0.0137	0.0000	98.7516
2017	0.4046	1.6985	2.1386	3.6700e-003	0.0711	0.0970	0.1681	0.0256	0.0969	0.1225	0.0000	309.5601	309.5601	0.0592	0.0000	310.8040
2018	0.1215	0.0139	0.0213	4.0000e-005	6.6000e-004	9.6000e-004	1.6100e-003	1.7000e-004	9.6000e-004	1.1300e-003	0.0000	3.1242	3.1242	2.7000e-004	0.0000	3.1299
<b>Total</b>	<b>0.5521</b>	<b>2.1755</b>	<b>2.6566</b>	<b>4.7800e-003</b>	<b>0.1142</b>	<b>0.1147</b>	<b>0.2289</b>	<b>0.0435</b>	<b>0.1143</b>	<b>0.1578</b>	<b>0.0000</b>	<b>411.1489</b>	<b>411.1489</b>	<b>0.0732</b>	<b>0.0000</b>	<b>412.6855</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	39.16	41.52	7.99	0.00	40.48	47.24	44.07	48.53	44.66	45.78	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	0.2751	3.3600e-003	0.2905	2.0000e-005		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	6.1875	6.1875	5.7000e-004	1.0000e-004	6.2321
Energy	2.0100e-003	0.0172	7.3200e-003	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	162.4544	162.4544	4.0900e-003	1.1300e-003	162.8912
Mobile	0.1015	0.3222	1.2017	3.5000e-003	0.2392	4.8400e-003	0.2441	0.0640	4.4700e-003	0.0685	0.0000	254.2413	254.2413	9.2500e-003	0.0000	254.4356
Waste						0.0000	0.0000		0.0000	0.0000	2.6145	0.0000	2.6145	0.1545	0.0000	5.8593
Water						0.0000	0.0000		0.0000	0.0000	0.5788	18.4818	19.0606	0.0599	1.5000e-003	20.7849
<b>Total</b>	<b>0.3786</b>	<b>0.3428</b>	<b>1.4995</b>	<b>3.6300e-003</b>	<b>0.2392</b>	<b>8.2200e-003</b>	<b>0.2475</b>	<b>0.0640</b>	<b>7.8500e-003</b>	<b>0.0719</b>	<b>3.1933</b>	<b>441.3650</b>	<b>444.5583</b>	<b>0.2284</b>	<b>2.7300e-003</b>	<b>450.2030</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	0.2751	3.3600e-003	0.2905	2.0000e-005		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	6.1875	6.1875	5.7000e-004	1.0000e-004	6.2321
Energy	2.0100e-003	0.0172	7.3200e-003	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	162.4544	162.4544	4.0900e-003	1.1300e-003	162.8912
Mobile	0.1015	0.3222	1.2017	3.5000e-003	0.2392	4.8400e-003	0.2441	0.0640	4.4700e-003	0.0685	0.0000	254.2413	254.2413	9.2500e-003	0.0000	254.4356
Waste						0.0000	0.0000		0.0000	0.0000	1.3073	0.0000	1.3073	0.0773	0.0000	2.9297
Water						0.0000	0.0000		0.0000	0.0000	0.4630	15.6840	16.1470	0.0480	1.2100e-003	17.5277
<b>Total</b>	<b>0.3786</b>	<b>0.3428</b>	<b>1.4995</b>	<b>3.6300e-003</b>	<b>0.2392</b>	<b>8.2200e-003</b>	<b>0.2475</b>	<b>0.0640</b>	<b>7.8500e-003</b>	<b>0.0719</b>	<b>1.7703</b>	<b>438.5671</b>	<b>440.3374</b>	<b>0.1391</b>	<b>2.4400e-003</b>	<b>444.0162</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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>44.56</b>	<b>0.63</b>	<b>0.95</b>	<b>39.07</b>	<b>10.62</b>	<b>1.37</b>

## 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	11/1/2016	11/30/2016	5	22	
2	Site Preparation	Site Preparation	12/1/2016	12/14/2016	5	10	
3	Grading	Grading	12/15/2016	1/11/2017	5	20	
4	Building Construction	Building Construction	1/12/2017	11/1/2017	5	210	
5	Architectural Coating	Architectural Coating	10/23/2017	1/26/2018	5	70	
6	Paving	Paving	11/2/2017	11/29/2017	5	20	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1**

**Acres of Paving: 0**

**Residential Indoor: 77,531; Residential Outdoor: 25,844; Non-Residential Indoor: 35,301; Non-Residential Outdoor: 11,767 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Scrapers	1	8.00	361	0.48

**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	1,058.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	622.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	30.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2016

#### 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					5.2700e-003	0.0000	5.2700e-003	8.0000e-004	0.0000	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0320	0.3108	0.2365	2.7000e-004		0.0192	0.0192		0.0180	0.0180	0.0000	24.8192	24.8192	6.2700e-003	0.0000	24.9509
<b>Total</b>	<b>0.0320</b>	<b>0.3108</b>	<b>0.2365</b>	<b>2.7000e-004</b>	<b>5.2700e-003</b>	<b>0.0192</b>	<b>0.0245</b>	<b>8.0000e-004</b>	<b>0.0180</b>	<b>0.0188</b>	<b>0.0000</b>	<b>24.8192</b>	<b>24.8192</b>	<b>6.2700e-003</b>	<b>0.0000</b>	<b>24.9509</b>

**3.2 Demolition - 2016****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	9.4800e-003	0.1543	0.1159	3.9000e-004	9.0700e-003	2.2700e-003	0.0113	2.4900e-003	2.0900e-003	4.5700e-003	0.0000	35.6712	35.6712	2.6000e-004	0.0000	35.6766
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	5.7000e-004	8.4000e-004	8.7600e-003	2.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4699	1.4699	8.0000e-005	0.0000	1.4716
<b>Total</b>	<b>0.0101</b>	<b>0.1551</b>	<b>0.1246</b>	<b>4.1000e-004</b>	<b>0.0106</b>	<b>2.2800e-003</b>	<b>0.0129</b>	<b>2.9100e-003</b>	<b>2.1000e-003</b>	<b>5.0000e-003</b>	<b>0.0000</b>	<b>37.1411</b>	<b>37.1411</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>37.1482</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					2.0500e-003	0.0000	2.0500e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.1346	0.1712	2.7000e-004		7.9500e-003	7.9500e-003		7.9500e-003	7.9500e-003	0.0000	24.8191	24.8191	6.2700e-003	0.0000	24.9509
<b>Total</b>	<b>6.2600e-003</b>	<b>0.1346</b>	<b>0.1712</b>	<b>2.7000e-004</b>	<b>2.0500e-003</b>	<b>7.9500e-003</b>	<b>0.0100</b>	<b>3.1000e-004</b>	<b>7.9500e-003</b>	<b>8.2600e-003</b>	<b>0.0000</b>	<b>24.8191</b>	<b>24.8191</b>	<b>6.2700e-003</b>	<b>0.0000</b>	<b>24.9509</b>

### 3.2 Demolition - 2016

#### 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	9.4800e-003	0.1543	0.1159	3.9000e-004	9.0700e-003	2.2700e-003	0.0113	2.4900e-003	2.0900e-003	4.5700e-003	0.0000	35.6712	35.6712	2.6000e-004	0.0000	35.6766
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	5.7000e-004	8.4000e-004	8.7600e-003	2.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4699	1.4699	8.0000e-005	0.0000	1.4716
<b>Total</b>	<b>0.0101</b>	<b>0.1551</b>	<b>0.1246</b>	<b>4.1000e-004</b>	<b>0.0106</b>	<b>2.2800e-003</b>	<b>0.0129</b>	<b>2.9100e-003</b>	<b>2.1000e-003</b>	<b>5.0000e-003</b>	<b>0.0000</b>	<b>37.1411</b>	<b>37.1411</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>37.1482</b>

### 3.3 Site Preparation - 2016

#### 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					5.3000e-004	0.0000	5.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0135	0.1541	0.0903	1.2000e-004		7.5600e-003	7.5600e-003		6.9500e-003	6.9500e-003	0.0000	11.2495	11.2495	3.3900e-003	0.0000	11.3208
<b>Total</b>	<b>0.0135</b>	<b>0.1541</b>	<b>0.0903</b>	<b>1.2000e-004</b>	<b>5.3000e-004</b>	<b>7.5600e-003</b>	<b>8.0900e-003</b>	<b>6.0000e-005</b>	<b>6.9500e-003</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>11.2495</b>	<b>11.2495</b>	<b>3.3900e-003</b>	<b>0.0000</b>	<b>11.3208</b>

### 3.3 Site Preparation - 2016

#### 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	1.6000e-004	2.4000e-004	2.4500e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4112	0.4112	2.0000e-005	0.0000	0.4116
<b>Total</b>	<b>1.6000e-004</b>	<b>2.4000e-004</b>	<b>2.4500e-003</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.4112</b>	<b>0.4112</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.4116</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					2.1000e-004	0.0000	2.1000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0576	0.0733	1.2000e-004		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	11.2495	11.2495	3.3900e-003	0.0000	11.3208
<b>Total</b>	<b>2.9200e-003</b>	<b>0.0576</b>	<b>0.0733</b>	<b>1.2000e-004</b>	<b>2.1000e-004</b>	<b>2.5800e-003</b>	<b>2.7900e-003</b>	<b>2.0000e-005</b>	<b>2.5800e-003</b>	<b>2.6000e-003</b>	<b>0.0000</b>	<b>11.2495</b>	<b>11.2495</b>	<b>3.3900e-003</b>	<b>0.0000</b>	<b>11.3208</b>

### 3.3 Site Preparation - 2016

#### 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	1.6000e-004	2.4000e-004	2.4500e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4112	0.4112	2.0000e-005	0.0000	0.4116
<b>Total</b>	<b>1.6000e-004</b>	<b>2.4000e-004</b>	<b>2.4500e-003</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.4112</b>	<b>0.4112</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.4116</b>

### 3.4 Grading - 2016

#### 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					0.0608	0.0000	0.0608	0.0332	0.0000	0.0332	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1797	0.1178	1.2000e-004		0.0100	0.0100		9.2000e-003	9.2000e-003	0.0000	11.6443	11.6443	3.5100e-003	0.0000	11.7181
<b>Total</b>	<b>0.0171</b>	<b>0.1797</b>	<b>0.1178</b>	<b>1.2000e-004</b>	<b>0.0608</b>	<b>0.0100</b>	<b>0.0708</b>	<b>0.0332</b>	<b>9.2000e-003</b>	<b>0.0424</b>	<b>0.0000</b>	<b>11.6443</b>	<b>11.6443</b>	<b>3.5100e-003</b>	<b>0.0000</b>	<b>11.7181</b>

### 3.4 Grading - 2016

#### 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	3.3500e-003	0.0544	0.0409	1.4000e-004	4.8100e-003	8.0000e-004	5.6100e-003	1.2700e-003	7.4000e-004	2.0100e-003	0.0000	12.5827	12.5827	9.0000e-005	0.0000	12.5846
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	2.4000e-004	3.5000e-004	3.6700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.6167	0.6167	3.0000e-005	0.0000	0.6174
<b>Total</b>	<b>3.5900e-003</b>	<b>0.0548</b>	<b>0.0446</b>	<b>1.5000e-004</b>	<b>5.4700e-003</b>	<b>8.1000e-004</b>	<b>6.2700e-003</b>	<b>1.4400e-003</b>	<b>7.5000e-004</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>13.1994</b>	<b>13.1994</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>13.2021</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					0.0237	0.0000	0.0237	0.0129	0.0000	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-003	0.0608	0.0806	1.2000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	11.6443	11.6443	3.5100e-003	0.0000	11.7181
<b>Total</b>	<b>3.0000e-003</b>	<b>0.0608</b>	<b>0.0806</b>	<b>1.2000e-004</b>	<b>0.0237</b>	<b>3.0700e-003</b>	<b>0.0268</b>	<b>0.0129</b>	<b>3.0700e-003</b>	<b>0.0160</b>	<b>0.0000</b>	<b>11.6443</b>	<b>11.6443</b>	<b>3.5100e-003</b>	<b>0.0000</b>	<b>11.7181</b>

**3.4 Grading - 2016****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	3.3500e-003	0.0544	0.0409	1.4000e-004	4.8100e-003	8.0000e-004	5.6100e-003	1.2700e-003	7.4000e-004	2.0100e-003	0.0000	12.5827	12.5827	9.0000e-005	0.0000	12.5846
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	2.4000e-004	3.5000e-004	3.6700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.6167	0.6167	3.0000e-005	0.0000	0.6174
<b>Total</b>	<b>3.5900e-003</b>	<b>0.0548</b>	<b>0.0446</b>	<b>1.5000e-004</b>	<b>5.4700e-003</b>	<b>8.1000e-004</b>	<b>6.2700e-003</b>	<b>1.4400e-003</b>	<b>7.5000e-004</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>13.1994</b>	<b>13.1994</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>13.2021</b>

**3.4 Grading - 2017****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					0.0608	0.0000	0.0608	0.0332	0.0000	0.0332	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1126	0.0759	8.0000e-005		6.2200e-003	6.2200e-003		5.7200e-003	5.7200e-003	0.0000	7.6370	7.6370	2.3400e-003	0.0000	7.6861
<b>Total</b>	<b>0.0108</b>	<b>0.1126</b>	<b>0.0759</b>	<b>8.0000e-005</b>	<b>0.0608</b>	<b>6.2200e-003</b>	<b>0.0670</b>	<b>0.0332</b>	<b>5.7200e-003</b>	<b>0.0389</b>	<b>0.0000</b>	<b>7.6370</b>	<b>7.6370</b>	<b>2.3400e-003</b>	<b>0.0000</b>	<b>7.6861</b>

### 3.4 Grading - 2017

#### 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	2.1000e-003	0.0333	0.0263	9.0000e-005	4.5500e-003	4.9000e-004	5.0400e-003	1.1800e-003	4.5000e-004	1.6300e-003	0.0000	8.2510	8.2510	6.0000e-005	0.0000	8.2523
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	1.4000e-004	2.1000e-004	2.2100e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3954	0.3954	2.0000e-005	0.0000	0.3958
<b>Total</b>	<b>2.2400e-003</b>	<b>0.0335</b>	<b>0.0285</b>	<b>1.0000e-004</b>	<b>4.9900e-003</b>	<b>4.9000e-004</b>	<b>5.4800e-003</b>	<b>1.3000e-003</b>	<b>4.5000e-004</b>	<b>1.7500e-003</b>	<b>0.0000</b>	<b>8.6464</b>	<b>8.6464</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.6481</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					0.0237	0.0000	0.0237	0.0129	0.0000	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	0.0405	0.0537	8.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	7.6369	7.6369	2.3400e-003	0.0000	7.6861
<b>Total</b>	<b>2.0000e-003</b>	<b>0.0405</b>	<b>0.0537</b>	<b>8.0000e-005</b>	<b>0.0237</b>	<b>2.0500e-003</b>	<b>0.0257</b>	<b>0.0129</b>	<b>2.0500e-003</b>	<b>0.0150</b>	<b>0.0000</b>	<b>7.6369</b>	<b>7.6369</b>	<b>2.3400e-003</b>	<b>0.0000</b>	<b>7.6861</b>

### 3.4 Grading - 2017

#### 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	2.1000e-003	0.0333	0.0263	9.0000e-005	4.5500e-003	4.9000e-004	5.0400e-003	1.1800e-003	4.5000e-004	1.6300e-003	0.0000	8.2510	8.2510	6.0000e-005	0.0000	8.2523
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	1.4000e-004	2.1000e-004	2.2100e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3954	0.3954	2.0000e-005	0.0000	0.3958
<b>Total</b>	<b>2.2400e-003</b>	<b>0.0335</b>	<b>0.0285</b>	<b>1.0000e-004</b>	<b>4.9900e-003</b>	<b>4.9000e-004</b>	<b>5.4800e-003</b>	<b>1.3000e-003</b>	<b>4.5000e-004</b>	<b>1.7500e-003</b>	<b>0.0000</b>	<b>8.6464</b>	<b>8.6464</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.6481</b>

### 3.5 Building Construction - 2017

#### 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	0.3494	2.4001	1.7062	2.6100e-003		0.1535	0.1535		0.1470	0.1470	0.0000	222.4048	222.4048	0.0494	0.0000	223.4428
<b>Total</b>	<b>0.3494</b>	<b>2.4001</b>	<b>1.7062</b>	<b>2.6100e-003</b>		<b>0.1535</b>	<b>0.1535</b>		<b>0.1470</b>	<b>0.1470</b>	<b>0.0000</b>	<b>222.4048</b>	<b>222.4048</b>	<b>0.0494</b>	<b>0.0000</b>	<b>223.4428</b>

### 3.5 Building Construction - 2017

#### 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	5.9800e-003	0.0607	0.0812	1.6000e-004	4.5200e-003	9.3000e-004	5.4500e-003	1.2900e-003	8.5000e-004	2.1500e-003	0.0000	14.2631	14.2631	1.0000e-004	0.0000	14.2652
Worker	0.0113	0.0168	0.1741	4.2000e-004	0.0346	2.8000e-004	0.0348	9.1800e-003	2.6000e-004	9.4400e-003	0.0000	31.1358	31.1358	1.6100e-003	0.0000	31.1695
<b>Total</b>	<b>0.0173</b>	<b>0.0775</b>	<b>0.2553</b>	<b>5.8000e-004</b>	<b>0.0391</b>	<b>1.2100e-003</b>	<b>0.0403</b>	<b>0.0105</b>	<b>1.1100e-003</b>	<b>0.0116</b>	<b>0.0000</b>	<b>45.3989</b>	<b>45.3989</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>45.4348</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	0.0746	1.4241	1.6109	2.6100e-003		0.0856	0.0856		0.0856	0.0856	0.0000	222.4045	222.4045	0.0494	0.0000	223.4425
<b>Total</b>	<b>0.0746</b>	<b>1.4241</b>	<b>1.6109</b>	<b>2.6100e-003</b>		<b>0.0856</b>	<b>0.0856</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>222.4045</b>	<b>222.4045</b>	<b>0.0494</b>	<b>0.0000</b>	<b>223.4425</b>

### 3.5 Building Construction - 2017

#### 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	5.9800e-003	0.0607	0.0812	1.6000e-004	4.5200e-003	9.3000e-004	5.4500e-003	1.2900e-003	8.5000e-004	2.1500e-003	0.0000	14.2631	14.2631	1.0000e-004	0.0000	14.2652
Worker	0.0113	0.0168	0.1741	4.2000e-004	0.0346	2.8000e-004	0.0348	9.1800e-003	2.6000e-004	9.4400e-003	0.0000	31.1358	31.1358	1.6100e-003	0.0000	31.1695
<b>Total</b>	<b>0.0173</b>	<b>0.0775</b>	<b>0.2553</b>	<b>5.8000e-004</b>	<b>0.0391</b>	<b>1.2100e-003</b>	<b>0.0403</b>	<b>0.0105</b>	<b>1.1100e-003</b>	<b>0.0116</b>	<b>0.0000</b>	<b>45.3989</b>	<b>45.3989</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>45.4348</b>

### 3.6 Architectural Coating - 2017

#### 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	0.3017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3100e-003	0.0546	0.0467	7.0000e-005		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	6.3831	6.3831	6.7000e-004	0.0000	6.3973
<b>Total</b>	<b>0.3101</b>	<b>0.0546</b>	<b>0.0467</b>	<b>7.0000e-005</b>		<b>4.3300e-003</b>	<b>4.3300e-003</b>		<b>4.3300e-003</b>	<b>4.3300e-003</b>	<b>0.0000</b>	<b>6.3831</b>	<b>6.3831</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>6.3973</b>

### 3.6 Architectural Coating - 2017

#### 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	5.4000e-004	8.0000e-004	8.2900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4827	1.4827	8.0000e-005	0.0000	1.4843	
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>8.2900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4827</b>	<b>1.4827</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4843</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	0.3017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	0.0339	0.0458	7.0000e-005		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	6.3831	6.3831	6.7000e-004	0.0000	6.3973
<b>Total</b>	<b>0.3032</b>	<b>0.0339</b>	<b>0.0458</b>	<b>7.0000e-005</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>6.3831</b>	<b>6.3831</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>6.3973</b>

### 3.6 Architectural Coating - 2017

#### 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	5.4000e-004	8.0000e-004	8.2900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4827	1.4827	8.0000e-005	0.0000	1.4843
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>8.2900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4827</b>	<b>1.4827</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4843</b>

### 3.6 Architectural Coating - 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					
Archit. Coating	0.1207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5584
<b>Total</b>	<b>0.1237</b>	<b>0.0201</b>	<b>0.0185</b>	<b>3.0000e-005</b>		<b>1.5100e-003</b>	<b>1.5100e-003</b>		<b>1.5100e-003</b>	<b>1.5100e-003</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>2.5584</b>

### 3.6 Architectural Coating - 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	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	1.9000e-004	2.9000e-004	3.0000e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5709	0.5709	3.0000e-005	0.0000	0.5715	
<b>Total</b>	<b>1.9000e-004</b>	<b>2.9000e-004</b>	<b>3.0000e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5709</b>	<b>0.5709</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5715</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	0.1207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5584
<b>Total</b>	<b>0.1213</b>	<b>0.0136</b>	<b>0.0183</b>	<b>3.0000e-005</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>2.5584</b>

### 3.6 Architectural Coating - 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	1.9000e-004	2.9000e-004	3.0000e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5709	0.5709	3.0000e-005	0.0000	0.5715
<b>Total</b>	<b>1.9000e-004</b>	<b>2.9000e-004</b>	<b>3.0000e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5709</b>	<b>0.5709</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5715</b>

### 3.7 Paving - 2017

#### 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	0.0164	0.1646	0.1206	1.8000e-004		0.0102	0.0102		9.4200e-003	9.4200e-003	0.0000	16.1250	16.1250	4.8500e-003	0.0000	16.2268
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0164</b>	<b>0.1646</b>	<b>0.1206</b>	<b>1.8000e-004</b>		<b>0.0102</b>	<b>0.0102</b>		<b>9.4200e-003</b>	<b>9.4200e-003</b>	<b>0.0000</b>	<b>16.1250</b>	<b>16.1250</b>	<b>4.8500e-003</b>	<b>0.0000</b>	<b>16.2268</b>

### 3.7 Paving - 2017

#### 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	5.4000e-004	8.0000e-004	8.2900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4827	1.4827	8.0000e-005	0.0000	1.4843
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>8.2900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4827</b>	<b>1.4827</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4843</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	4.1500e-003	0.0874	0.1279	1.8000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003	0.0000	16.1250	16.1250	4.8500e-003	0.0000	16.2268
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.1500e-003</b>	<b>0.0874</b>	<b>0.1279</b>	<b>1.8000e-004</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>	<b>0.0000</b>	<b>16.1250</b>	<b>16.1250</b>	<b>4.8500e-003</b>	<b>0.0000</b>	<b>16.2268</b>

### 3.7 Paving - 2017

#### 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	5.4000e-004	8.0000e-004	8.2900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4827	1.4827	8.0000e-005	0.0000	1.4843
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>8.2900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4827</b>	<b>1.4827</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4843</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	0.1015	0.3222	1.2017	3.5000e-003	0.2392	4.8400e-003	0.2441	0.0640	4.4700e-003	0.0685	0.0000	254.2413	254.2413	9.2500e-003	0.0000	254.4356
Unmitigated	0.1015	0.3222	1.2017	3.5000e-003	0.2392	4.8400e-003	0.2441	0.0640	4.4700e-003	0.0685	0.0000	254.2413	254.2413	9.2500e-003	0.0000	254.4356

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	184.52	200.48	169.96	631,216	631,216
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>184.52</b>	<b>200.48</b>	<b>169.96</b>	<b>631,216</b>	<b>631,216</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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

### 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	142.5314	142.5314	3.7100e-003	7.7000e-004	142.8469
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	142.5314	142.5314	3.7100e-003	7.7000e-004	142.8469
NaturalGas Mitigated	2.0100e-003	0.0172	7.3200e-003	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9230	19.9230	3.8000e-004	3.7000e-004	20.0442
NaturalGas Unmitigated	2.0100e-003	0.0172	7.3200e-003	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9230	19.9230	3.8000e-004	3.7000e-004	20.0442

**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					
Enclosed Parking with Elevator	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
Condo/Townhouse	373342	2.0100e-003	0.0172	7.3200e-003	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9230	19.9230	3.8000e-004	3.7000e-004	20.0442
<b>Total</b>		<b>2.0100e-003</b>	<b>0.0172</b>	<b>7.3200e-003</b>	<b>1.1000e-004</b>		<b>1.3900e-003</b>	<b>1.3900e-003</b>		<b>1.3900e-003</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>19.9230</b>	<b>19.9230</b>	<b>3.8000e-004</b>	<b>3.7000e-004</b>	<b>20.0442</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					
Condo/Townhouse	373342	2.0100e-003	0.0172	7.3200e-003	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9230	19.9230	3.8000e-004	3.7000e-004	20.0442
Enclosed Parking with Elevator	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
<b>Total</b>		<b>2.0100e-003</b>	<b>0.0172</b>	<b>7.3200e-003</b>	<b>1.1000e-004</b>		<b>1.3900e-003</b>	<b>1.3900e-003</b>		<b>1.3900e-003</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>19.9230</b>	<b>19.9230</b>	<b>3.8000e-004</b>	<b>3.7000e-004</b>	<b>20.0442</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	123116	62.2852	1.6200e-003	3.4000e-004	62.4230
Enclosed Parking with Elevator	158619	80.2463	2.0900e-003	4.3000e-004	80.4239
<b>Total</b>		<b>142.5314</b>	<b>3.7100e-003</b>	<b>7.7000e-004</b>	<b>142.8469</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	123116	62.2852	1.6200e-003	3.4000e-004	62.4230
Enclosed Parking with Elevator	158619	80.2463	2.0900e-003	4.3000e-004	80.4239
<b>Total</b>		<b>142.5314</b>	<b>3.7100e-003</b>	<b>7.7000e-004</b>	<b>142.8469</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	0.2751	3.3600e-003	0.2905	2.0000e-005		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	6.1875	6.1875	5.7000e-004	1.0000e-004	6.2321
Unmitigated	0.2751	3.3600e-003	0.2905	2.0000e-005		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	6.1875	6.1875	5.7000e-004	1.0000e-004	6.2321

## 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	0.0422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2234					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.8000e-004	0.0000	3.0000e-005	0.0000		4.0000e-004	4.0000e-004		3.9000e-004	3.9000e-004	0.0000	5.7153	5.7153	1.1000e-004	1.0000e-004	5.7501
Landscaping	8.9100e-003	3.3600e-003	0.2905	2.0000e-005		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	0.4723	0.4723	4.6000e-004	0.0000	0.4820
<b>Total</b>	<b>0.2751</b>	<b>3.3600e-003</b>	<b>0.2905</b>	<b>2.0000e-005</b>		<b>1.9900e-003</b>	<b>1.9900e-003</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>6.1875</b>	<b>6.1875</b>	<b>5.7000e-004</b>	<b>1.0000e-004</b>	<b>6.2321</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	0.0422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2234					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.8000e-004	0.0000	3.0000e-005	0.0000		4.0000e-004	4.0000e-004		3.9000e-004	3.9000e-004	0.0000	5.7153	5.7153	1.1000e-004	1.0000e-004	5.7501	
Landscaping	8.9100e-003	3.3600e-003	0.2905	2.0000e-005		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	0.4723	0.4723	4.6000e-004	0.0000	0.4820	
<b>Total</b>	<b>0.2751</b>	<b>3.3600e-003</b>	<b>0.2905</b>	<b>2.0000e-005</b>		<b>1.9900e-003</b>	<b>1.9900e-003</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>6.1875</b>	<b>6.1875</b>	<b>5.7000e-004</b>	<b>1.0000e-004</b>	<b>6.2321</b>	

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.1470	0.0480	1.2100e-003	17.5277
Unmitigated	19.0606	0.0599	1.5000e-003	20.7849

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	1.82431 / 1.15011	19.0606	0.0599	1.5000e-003	20.7849
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>19.0606</b>	<b>0.0599</b>	<b>1.5000e-003</b>	<b>20.7849</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	1.45945 / 1.07995	16.1470	0.0480	1.2100e-003	17.5277
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.1470</b>	<b>0.0480</b>	<b>1.2100e-003</b>	<b>17.5277</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.3073	0.0773	0.0000	2.9297
Unmitigated	2.6145	0.1545	0.0000	5.8593

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	12.88	2.6145	0.1545	0.0000	5.8593
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.6145</b>	<b>0.1545</b>	<b>0.0000</b>	<b>5.8593</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	6.44	1.3073	0.0773	0.0000	2.9297
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.3073</b>	<b>0.0773</b>	<b>0.0000</b>	<b>2.9297</b>

## 9.0 Operational Offroad

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

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**Honolulu Village Project**  
**South Coast Air Basin, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	23.54	1000sqft	0.54	23,534.00	0
Condo/Townhouse	28.00	Dwelling Unit	1.75	38,287.00	80

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2019
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - The project would develop 28 multifamily residential units across a 43,609 square foot site, or approximately 1 acre.

Construction Phase - Construction would take approximately 14 months and would involve demolition, site preparation/grading, and building construction.

Demolition -

Grading - 43,609 square feet, or approximately 1-acre, would be disturbed

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - Fugitive dust control measures pursuant with SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - VOC control measures pursuant to SCAQMD Rule 1113

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstructionPhase	NumDays	10.00	70.00
tblConstructionPhase	NumDays	220.00	210.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	10.00
tblConstructionPhase	PhaseEndDate	2/7/2018	1/26/2018
tblConstructionPhase	PhaseEndDate	2/23/2018	11/29/2017
tblConstructionPhase	PhaseStartDate	11/2/2017	10/23/2017
tblConstructionPhase	PhaseStartDate	1/27/2018	11/2/2017
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.40	0.00
tblGrading	AcresOfGrading	10.00	1.00
tblGrading	AcresOfGrading	15.00	1.00

tblLandUse	LandUseSquareFeet	23,540.00	23,534.00
tblLandUse	LandUseSquareFeet	28,000.00	38,287.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblTripsAndVMT	HaulingTripNumber	49.00	1,058.00
tblTripsAndVMT	HaulingTripNumber	0.00	622.00
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	3.7895	41.6356	31.6987	0.0618	7.0028	1.9516	8.8040	3.5612	1.8233	5.2183	0.0000	6,219.9618	6,219.9618	0.7530	0.0000	6,235.7741
2017	15.9177	36.1067	25.3595	0.0449	7.3455	1.6778	9.0233	3.6454	1.5842	5.1889	0.0000	4,495.0546	4,495.0546	0.6667	0.0000	4,509.0557
2018	12.3884	2.0313	2.1742	3.8200e-003	0.0671	0.1511	0.2182	0.0178	0.1510	0.1688	0.0000	347.5378	347.5378	0.0299	0.0000	348.1652
<b>Total</b>	<b>32.0956</b>	<b>79.7737</b>	<b>59.2324</b>	<b>0.1105</b>	<b>14.4154</b>	<b>3.7805</b>	<b>18.0454</b>	<b>7.2244</b>	<b>3.5585</b>	<b>10.5761</b>	<b>0.0000</b>	<b>11,062.5542</b>	<b>11,062.5542</b>	<b>1.4496</b>	<b>0.0000</b>	<b>11,092.9950</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	1.4519	25.6120	25.7629	0.0618	3.2970	0.9303	3.9430	1.5385	0.9137	2.1738	0.0000	6,219.9618	6,219.9618	0.7530	0.0000	6,235.7741
2017	13.0281	18.0739	19.9440	0.0449	3.6397	0.9227	4.2744	1.6226	0.9217	2.2475	0.0000	4,495.0546	4,495.0546	0.6667	0.0000	4,509.0557
2018	12.1492	1.3826	2.1524	3.8200e-003	0.0671	0.0956	0.1627	0.0178	0.0956	0.1134	0.0000	347.5378	347.5378	0.0299	0.0000	348.1652
<b>Total</b>	<b>26.6291</b>	<b>45.0684</b>	<b>47.8593</b>	<b>0.1105</b>	<b>7.0037</b>	<b>1.9485</b>	<b>8.3800</b>	<b>3.1789</b>	<b>1.9309</b>	<b>4.5346</b>	<b>0.0000</b>	<b>11,062.5542</b>	<b>11,062.5542</b>	<b>1.4496</b>	<b>0.0000</b>	<b>11,092.9950</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	17.03	43.50	19.20	0.00	51.41	48.46	53.56	56.00	45.74	57.12	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179
Energy	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
Mobile	0.6180	1.7934	7.2220	0.0217	1.4530	0.0289	1.4819	0.3883	0.0266	0.4149		1,736.2650	1,736.2650	0.0609		1,737.5431
<b>Total</b>	<b>2.2021</b>	<b>1.9146</b>	<b>9.5886</b>	<b>0.0224</b>	<b>1.4530</b>	<b>0.0812</b>	<b>1.5342</b>	<b>0.3883</b>	<b>0.0786</b>	<b>0.4668</b>	<b>0.0000</b>	<b>2,364.7655</b>	<b>2,364.7655</b>	<b>0.0769</b>	<b>0.0115</b>	<b>2,369.9293</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179
Energy	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
Mobile	0.6180	1.7934	7.2220	0.0217	1.4530	0.0289	1.4819	0.3883	0.0266	0.4149		1,736.2650	1,736.2650	0.0609		1,737.5431
<b>Total</b>	<b>2.2021</b>	<b>1.9146</b>	<b>9.5886</b>	<b>0.0224</b>	<b>1.4530</b>	<b>0.0812</b>	<b>1.5342</b>	<b>0.3883</b>	<b>0.0786</b>	<b>0.4668</b>	<b>0.0000</b>	<b>2,364.7655</b>	<b>2,364.7655</b>	<b>0.0769</b>	<b>0.0115</b>	<b>2,369.9293</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	0.00	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	11/1/2016	11/30/2016	5	22	
2	Site Preparation	Site Preparation	12/1/2016	12/14/2016	5	10	
3	Grading	Grading	12/15/2016	1/11/2017	5	20	
4	Building Construction	Building Construction	1/12/2017	11/1/2017	5	210	
5	Architectural Coating	Architectural Coating	10/23/2017	1/26/2018	5	70	
6	Paving	Paving	11/2/2017	11/29/2017	5	20	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1

Acres of Paving: 0

Residential Indoor: 77,531; Residential Outdoor: 25,844; Non-Residential Indoor: 35,301; Non-Residential Outdoor: 11,767 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Scrapers	1	8.00	361	0.48

**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	1,058.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	622.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	30.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4788	0.0000	0.4788	0.0725	0.0000	0.0725			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.129 6	2,487.129 6	0.6288		2,500.334 3
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.4788</b>	<b>1.7445</b>	<b>2.2233</b>	<b>0.0725</b>	<b>1.6328</b>	<b>1.7052</b>		<b>2,487.129 6</b>	<b>2,487.129 6</b>	<b>0.6288</b>		<b>2,500.334 3</b>

### 3.2 Demolition - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8289	13.3100	9.3575	0.0355	0.8378	0.2059	1.0436	0.2294	0.1894	0.4188		3,578.1865	3,578.1865	0.0257		3,578.7251
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0677	0.8432	1.8400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		154.6457	154.6457	7.9300e-003		154.8122
<b>Total</b>	<b>0.8830</b>	<b>13.3777</b>	<b>10.2007</b>	<b>0.0373</b>	<b>0.9831</b>	<b>0.2071</b>	<b>1.1902</b>	<b>0.2679</b>	<b>0.1905</b>	<b>0.4584</b>		<b>3,732.8322</b>	<b>3,732.8322</b>	<b>0.0336</b>		<b>3,733.5374</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	lb/day										lb/day					
Fugitive Dust					0.1867	0.0000	0.1867	0.0283	0.0000	0.0283			0.0000			0.0000
Off-Road	0.5689	12.2343	15.5622	0.0245		0.7231	0.7231		0.7231	0.7231	0.0000	2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>0.5689</b>	<b>12.2343</b>	<b>15.5622</b>	<b>0.0245</b>	<b>0.1867</b>	<b>0.7231</b>	<b>0.9099</b>	<b>0.0283</b>	<b>0.7231</b>	<b>0.7514</b>	<b>0.0000</b>	<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

### 3.2 Demolition - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8289	13.3100	9.3575	0.0355	0.8378	0.2059	1.0436	0.2294	0.1894	0.4188		3,578.1865	3,578.1865	0.0257		3,578.7251
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0677	0.8432	1.8400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		154.6457	154.6457	7.9300e-003		154.8122
<b>Total</b>	<b>0.8830</b>	<b>13.3777</b>	<b>10.2007</b>	<b>0.0373</b>	<b>0.9831</b>	<b>0.2071</b>	<b>1.1902</b>	<b>0.2679</b>	<b>0.1905</b>	<b>0.4584</b>		<b>3,732.8322</b>	<b>3,732.8322</b>	<b>0.0336</b>		<b>3,733.5374</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1061	0.0000	0.1061	0.0115	0.0000	0.0115			0.0000			0.0000
Off-Road	2.6992	30.8238	18.0600	0.0239		1.5116	1.5116		1.3907	1.3907		2,480.1000	2,480.1000	0.7481		2,495.8099
<b>Total</b>	<b>2.6992</b>	<b>30.8238</b>	<b>18.0600</b>	<b>0.0239</b>	<b>0.1061</b>	<b>1.5116</b>	<b>1.6177</b>	<b>0.0115</b>	<b>1.3907</b>	<b>1.4022</b>		<b>2,480.1000</b>	<b>2,480.1000</b>	<b>0.7481</b>		<b>2,495.8099</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0333	0.0417	0.5189	1.1300e-003	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		95.1666	95.1666	4.8800e-003			95.2691
<b>Total</b>	<b>0.0333</b>	<b>0.0417</b>	<b>0.5189</b>	<b>1.1300e-003</b>	<b>0.0894</b>	<b>7.5000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>6.9000e-004</b>	<b>0.0244</b>		<b>95.1666</b>	<b>95.1666</b>	<b>4.8800e-003</b>			<b>95.2691</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	lb/day										lb/day						
Fugitive Dust					0.0414	0.0000	0.0414	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000	
Off-Road	0.5842	11.5269	14.6507	0.0239		0.5162	0.5162		0.5162	0.5162	0.0000	2,480.1000	2,480.1000	0.7481			2,495.8099
<b>Total</b>	<b>0.5842</b>	<b>11.5269</b>	<b>14.6507</b>	<b>0.0239</b>	<b>0.0414</b>	<b>0.5162</b>	<b>0.5576</b>	<b>4.4700e-003</b>	<b>0.5162</b>	<b>0.5207</b>	<b>0.0000</b>	<b>2,480.1000</b>	<b>2,480.1000</b>	<b>0.7481</b>			<b>2,495.8099</b>

### 3.3 Site Preparation - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0333	0.0417	0.5189	1.1300e-003	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		95.1666	95.1666	4.8800e-003		95.2691
<b>Total</b>	<b>0.0333</b>	<b>0.0417</b>	<b>0.5189</b>	<b>1.1300e-003</b>	<b>0.0894</b>	<b>7.5000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>6.9000e-004</b>	<b>0.0244</b>		<b>95.1666</b>	<b>95.1666</b>	<b>4.8800e-003</b>		<b>95.2691</b>

### 3.4 Grading - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0751	0.0000	6.0751	3.3160	0.0000	3.3160			0.0000			0.0000
Off-Road	2.8530	29.9470	19.6345	0.0206		1.6671	1.6671		1.5337	1.5337		2,139.274 2	2,139.274 2	0.6453		2,152.825 1
<b>Total</b>	<b>2.8530</b>	<b>29.9470</b>	<b>19.6345</b>	<b>0.0206</b>	<b>6.0751</b>	<b>1.6671</b>	<b>7.7422</b>	<b>3.3160</b>	<b>1.5337</b>	<b>4.8497</b>		<b>2,139.274 2</b>	<b>2,139.274 2</b>	<b>0.6453</b>		<b>2,152.825 1</b>

### 3.4 Grading - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5360	8.6075	6.0514	0.0230	0.8159	0.1332	0.9490	0.2156	0.1225	0.3381		2,313.984 1	2,313.984 1	0.0166		2,314.332 5
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0521	0.6486	1.4200e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		118.9583	118.9583	6.1000e-003		119.0863
<b>Total</b>	<b>0.5776</b>	<b>8.6595</b>	<b>6.7000</b>	<b>0.0244</b>	<b>0.9277</b>	<b>0.1341</b>	<b>1.0617</b>	<b>0.2453</b>	<b>0.1233</b>	<b>0.3686</b>		<b>2,432.942 4</b>	<b>2,432.942 4</b>	<b>0.0227</b>		<b>2,433.418 8</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	lb/day										lb/day					
Fugitive Dust					2.3693	0.0000	2.3693	1.2932	0.0000	1.2932			0.0000			0.0000
Off-Road	0.4998	10.1279	13.4314	0.0206		0.5119	0.5119		0.5119	0.5119	0.0000	2,139.274 2	2,139.274 2	0.6453		2,152.825 1
<b>Total</b>	<b>0.4998</b>	<b>10.1279</b>	<b>13.4314</b>	<b>0.0206</b>	<b>2.3693</b>	<b>0.5119</b>	<b>2.8812</b>	<b>1.2932</b>	<b>0.5119</b>	<b>1.8051</b>	<b>0.0000</b>	<b>2,139.274 2</b>	<b>2,139.274 2</b>	<b>0.6453</b>		<b>2,152.825 1</b>

### 3.4 Grading - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5360	8.6075	6.0514	0.0230	0.8159	0.1332	0.9490	0.2156	0.1225	0.3381		2,313.9841	2,313.9841	0.0166		2,314.3325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0521	0.6486	1.4200e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		118.9583	118.9583	6.1000e-003		119.0863
<b>Total</b>	<b>0.5776</b>	<b>8.6595</b>	<b>6.7000</b>	<b>0.0244</b>	<b>0.9277</b>	<b>0.1341</b>	<b>1.0617</b>	<b>0.2453</b>	<b>0.1233</b>	<b>0.3686</b>		<b>2,432.9424</b>	<b>2,432.9424</b>	<b>0.0227</b>		<b>2,433.4188</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0751	0.0000	6.0751	3.3160	0.0000	3.3160			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306		2,104.5737	2,104.5737	0.6448		2,118.1153
<b>Total</b>	<b>2.6973</b>	<b>28.1608</b>	<b>18.9679</b>	<b>0.0206</b>	<b>6.0751</b>	<b>1.5550</b>	<b>7.6301</b>	<b>3.3160</b>	<b>1.4306</b>	<b>4.7466</b>		<b>2,104.5737</b>	<b>2,104.5737</b>	<b>0.6448</b>		<b>2,118.1153</b>

### 3.4 Grading - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5068	7.8990	5.8046	0.0229	1.1586	0.1219	1.2805	0.2998	0.1121	0.4119		2,276.075 1	2,276.075 1	0.0163		2,276.416 4
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0374	0.0470	0.5870	1.4200e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		114.4058	114.4058	5.6300e-003		114.5239
<b>Total</b>	<b>0.5443</b>	<b>7.9460</b>	<b>6.3916</b>	<b>0.0244</b>	<b>1.2704</b>	<b>0.1228</b>	<b>1.3932</b>	<b>0.3294</b>	<b>0.1129</b>	<b>0.4423</b>		<b>2,390.480 8</b>	<b>2,390.480 8</b>	<b>0.0219</b>		<b>2,390.940 4</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	lb/day										lb/day					
Fugitive Dust					2.3693	0.0000	2.3693	1.2932	0.0000	1.2932			0.0000			0.0000
Off-Road	0.4998	10.1279	13.4314	0.0206		0.5119	0.5119		0.5119	0.5119	0.0000	2,104.573 7	2,104.573 7	0.6448		2,118.115 3
<b>Total</b>	<b>0.4998</b>	<b>10.1279</b>	<b>13.4314</b>	<b>0.0206</b>	<b>2.3693</b>	<b>0.5119</b>	<b>2.8812</b>	<b>1.2932</b>	<b>0.5119</b>	<b>1.8051</b>	<b>0.0000</b>	<b>2,104.573 7</b>	<b>2,104.573 7</b>	<b>0.6448</b>		<b>2,118.115 3</b>

### 3.4 Grading - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5068	7.8990	5.8046	0.0229	1.1586	0.1219	1.2805	0.2998	0.1121	0.4119		2,276.075 1	2,276.075 1	0.0163		2,276.416 4
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0374	0.0470	0.5870	1.4200e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		114.4058	114.4058	5.6300e-003		114.5239
<b>Total</b>	<b>0.5443</b>	<b>7.9460</b>	<b>6.3916</b>	<b>0.0244</b>	<b>1.2704</b>	<b>0.1228</b>	<b>1.3932</b>	<b>0.3294</b>	<b>0.1129</b>	<b>0.4423</b>		<b>2,390.480 8</b>	<b>2,390.480 8</b>	<b>0.0219</b>		<b>2,390.940 4</b>

### 3.5 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998		2,334.850 3	2,334.850 3	0.5189		2,345.747 9
<b>Total</b>	<b>3.3275</b>	<b>22.8585</b>	<b>16.2492</b>	<b>0.0249</b>		<b>1.4621</b>	<b>1.4621</b>		<b>1.3998</b>	<b>1.3998</b>		<b>2,334.850 3</b>	<b>2,334.850 3</b>	<b>0.5189</b>		<b>2,345.747 9</b>

### 3.5 Building Construction - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0536	0.5535	0.6567	1.5200e-003	0.0438	8.8100e-003	0.0526	0.0125	8.1000e-003	0.0206		150.2670	150.2670	1.0600e-003			150.2893
Worker	0.1123	0.1411	1.7611	4.2500e-003	0.3353	2.7000e-003	0.3380	0.0889	2.4900e-003	0.0914		343.2173	343.2173	0.0169			343.5718
<b>Total</b>	<b>0.1659</b>	<b>0.6946</b>	<b>2.4178</b>	<b>5.7700e-003</b>	<b>0.3791</b>	<b>0.0115</b>	<b>0.3906</b>	<b>0.1014</b>	<b>0.0106</b>	<b>0.1120</b>		<b>493.4843</b>	<b>493.4843</b>	<b>0.0179</b>			<b>493.8611</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	lb/day										lb/day						
Off-Road	0.7108	13.5628	15.3416	0.0249		0.8155	0.8155		0.8155	0.8155	0.0000	2,334.8503	2,334.8503	0.5189			2,345.7479
<b>Total</b>	<b>0.7108</b>	<b>13.5628</b>	<b>15.3416</b>	<b>0.0249</b>		<b>0.8155</b>	<b>0.8155</b>		<b>0.8155</b>	<b>0.8155</b>	<b>0.0000</b>	<b>2,334.8503</b>	<b>2,334.8503</b>	<b>0.5189</b>			<b>2,345.7479</b>

### 3.5 Building Construction - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0536	0.5535	0.6567	1.5200e-003	0.0438	8.8100e-003	0.0526	0.0125	8.1000e-003	0.0206		150.2670	150.2670	1.0600e-003		150.2893
Worker	0.1123	0.1411	1.7611	4.2500e-003	0.3353	2.7000e-003	0.3380	0.0889	2.4900e-003	0.0914		343.2173	343.2173	0.0169		343.5718
<b>Total</b>	<b>0.1659</b>	<b>0.6946</b>	<b>2.4178</b>	<b>5.7700e-003</b>	<b>0.3791</b>	<b>0.0115</b>	<b>0.3906</b>	<b>0.1014</b>	<b>0.0106</b>	<b>0.1120</b>		<b>493.4843</b>	<b>493.4843</b>	<b>0.0179</b>		<b>493.8611</b>

### 3.6 Architectural Coating - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
<b>Total</b>	<b>12.4018</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0225	0.0282	0.3522	8.5000e-004	0.0671	5.4000e-004	0.0676	0.0178	5.0000e-004	0.0183		68.6435	68.6435	3.3800e-003			68.7144
<b>Total</b>	<b>0.0225</b>	<b>0.0282</b>	<b>0.3522</b>	<b>8.5000e-004</b>	<b>0.0671</b>	<b>5.4000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>5.0000e-004</b>	<b>0.0183</b>		<b>68.6435</b>	<b>68.6435</b>	<b>3.3800e-003</b>			<b>68.7144</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	lb/day										lb/day						
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>12.1289</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0225	0.0282	0.3522	8.5000e-004	0.0671	5.4000e-004	0.0676	0.0178	5.0000e-004	0.0183		68.6435	68.6435	3.3800e-003			68.7144
<b>Total</b>	<b>0.0225</b>	<b>0.0282</b>	<b>0.3522</b>	<b>8.5000e-004</b>	<b>0.0671</b>	<b>5.4000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>5.0000e-004</b>	<b>0.0183</b>		<b>68.6435</b>	<b>68.6435</b>	<b>3.3800e-003</b>			<b>68.7144</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>12.3681</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0202	0.0256	0.3200	8.5000e-004	0.0671	5.3000e-004	0.0676	0.0178	4.9000e-004	0.0183		66.0893	66.0893	3.1300e-003			66.1551
<b>Total</b>	<b>0.0202</b>	<b>0.0256</b>	<b>0.3200</b>	<b>8.5000e-004</b>	<b>0.0671</b>	<b>5.3000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>4.9000e-004</b>	<b>0.0183</b>		<b>66.0893</b>	<b>66.0893</b>	<b>3.1300e-003</b>			<b>66.1551</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	lb/day										lb/day						
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>12.1289</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0202	0.0256	0.3200	8.5000e-004	0.0671	5.3000e-004	0.0676	0.0178	4.9000e-004	0.0183		66.0893	66.0893	3.1300e-003			66.1551
<b>Total</b>	<b>0.0202</b>	<b>0.0256</b>	<b>0.3200</b>	<b>8.5000e-004</b>	<b>0.0671</b>	<b>5.3000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>4.9000e-004</b>	<b>0.0183</b>		<b>66.0893</b>	<b>66.0893</b>	<b>3.1300e-003</b>			<b>66.1551</b>

### 3.7 Paving - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6402	16.4619	12.0566	0.0176		1.0230	1.0230		0.9423	0.9423		1,777.4745	1,777.4745	0.5344			1,788.6966
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.6402</b>	<b>16.4619</b>	<b>12.0566</b>	<b>0.0176</b>		<b>1.0230</b>	<b>1.0230</b>		<b>0.9423</b>	<b>0.9423</b>		<b>1,777.4745</b>	<b>1,777.4745</b>	<b>0.5344</b>			<b>1,788.6966</b>

### 3.7 Paving - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0705	0.8806	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.6086	171.6086	8.4400e-003		171.7859
<b>Total</b>	<b>0.0561</b>	<b>0.0705</b>	<b>0.8806</b>	<b>2.1200e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>171.6086</b>	<b>171.6086</b>	<b>8.4400e-003</b>		<b>171.7859</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	lb/day										lb/day					
Off-Road	0.4148	8.7357	12.7897	0.0176		0.5236	0.5236		0.5236	0.5236	0.0000	1,777.4745	1,777.4745	0.5344		1,788.6966
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.4148</b>	<b>8.7357</b>	<b>12.7897</b>	<b>0.0176</b>		<b>0.5236</b>	<b>0.5236</b>		<b>0.5236</b>	<b>0.5236</b>	<b>0.0000</b>	<b>1,777.4745</b>	<b>1,777.4745</b>	<b>0.5344</b>		<b>1,788.6966</b>

### 3.7 Paving - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0705	0.8806	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.6086	171.6086	8.4400e-003		171.7859
<b>Total</b>	<b>0.0561</b>	<b>0.0705</b>	<b>0.8806</b>	<b>2.1200e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>171.6086</b>	<b>171.6086</b>	<b>8.4400e-003</b>		<b>171.7859</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	lb/day										lb/day					
Mitigated	0.6180	1.7934	7.2220	0.0217	1.4530	0.0289	1.4819	0.3883	0.0266	0.4149		1,736.2650	1,736.2650	0.0609		1,737.5431
Unmitigated	0.6180	1.7934	7.2220	0.0217	1.4530	0.0289	1.4819	0.3883	0.0266	0.4149		1,736.2650	1,736.2650	0.0609		1,737.5431

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	184.52	200.48	169.96	631,216	631,216
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>184.52</b>	<b>200.48</b>	<b>169.96</b>	<b>631,216</b>	<b>631,216</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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

### 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	lb/day										lb/day					
NaturalGas Mitigated	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
NaturalGas Unmitigated	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	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
Condo/Townhouse	1022.86	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
<b>Total</b>		<b>0.0110</b>	<b>0.0943</b>	<b>0.0401</b>	<b>6.0000e-004</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>120.3359</b>	<b>120.3359</b>	<b>2.3100e-003</b>	<b>2.2100e-003</b>	<b>121.0683</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	lb/day										lb/day					
Condo/Townhouse	1.02286	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
Enclosed Parking with Elevator	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
<b>Total</b>		<b>0.0110</b>	<b>0.0943</b>	<b>0.0401</b>	<b>6.0000e-004</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>120.3359</b>	<b>120.3359</b>	<b>2.3100e-003</b>	<b>2.2100e-003</b>	<b>121.0683</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179
Unmitigated	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0462	0.0000	2.5200e-003	0.0000		0.0319	0.0319		0.0316	0.0316	0.0000	504.0000	504.0000	9.6600e-003	9.2400e-003	507.0673
Landscaping	0.0713	0.0269	2.3239	1.2000e-004		0.0127	0.0127		0.0127	0.0127		4.1646	4.1646	4.1000e-003		4.2507
<b>Total</b>	<b>1.5730</b>	<b>0.0269</b>	<b>2.3264</b>	<b>1.2000e-004</b>		<b>0.0447</b>	<b>0.0447</b>		<b>0.0443</b>	<b>0.0443</b>	<b>0.0000</b>	<b>508.1646</b>	<b>508.1646</b>	<b>0.0138</b>	<b>9.2400e-003</b>	<b>511.3179</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	lb/day										lb/day					
Architectural Coating	0.2315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0462	0.0000	2.5200e-003	0.0000		0.0319	0.0319		0.0316	0.0316	0.0000	504.0000	504.0000	9.6600e-003	9.2400e-003	507.0673
Landscaping	0.0713	0.0269	2.3239	1.2000e-004		0.0127	0.0127		0.0127	0.0127		4.1646	4.1646	4.1000e-003		4.2507
<b>Total</b>	<b>1.5730</b>	<b>0.0269</b>	<b>2.3264</b>	<b>1.2000e-004</b>		<b>0.0447</b>	<b>0.0447</b>		<b>0.0443</b>	<b>0.0443</b>	<b>0.0000</b>	<b>508.1646</b>	<b>508.1646</b>	<b>0.0138</b>	<b>9.2400e-003</b>	<b>511.3179</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

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## Honolulu Village Project South Coast Air Basin, Winter

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	23.54	1000sqft	0.54	23,534.00	0
Condo/Townhouse	28.00	Dwelling Unit	1.75	38,287.00	80

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2019
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - The project would develop 28 multifamily residential units across a 43,609 square foot site, or approximately 1 acre.

Construction Phase - Construction would take approximately 14 months and would involve demolition, site preparation/grading, and building construction.

Demolition -

Grading - 43,609 square feet, or approximately 1-acre, would be disturbed

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - Fugitive dust control measures pursuant with SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - VOC control measures pursuant to SCAQMD Rule 1113

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	70.00
tblConstructionPhase	NumDays	220.00	210.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	10.00
tblConstructionPhase	PhaseEndDate	2/7/2018	1/26/2018
tblConstructionPhase	PhaseEndDate	2/23/2018	11/29/2017
tblConstructionPhase	PhaseStartDate	11/2/2017	10/23/2017
tblConstructionPhase	PhaseStartDate	1/27/2018	11/2/2017
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.40	0.00
tblGrading	AcresOfGrading	10.00	1.00
tblGrading	AcresOfGrading	15.00	1.00

tblLandUse	LandUseSquareFeet	23,540.00	23,534.00
tblLandUse	LandUseSquareFeet	28,000.00	38,287.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblTripsAndVMT	HaulingTripNumber	49.00	1,058.00
tblTripsAndVMT	HaulingTripNumber	0.00	622.00
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	3.8372	42.1242	32.9967	0.0616	7.0028	1.9521	8.8043	3.5612	1.8237	5.2186	0.0000	6,201.8587	6,201.8587	0.7530	0.0000	6,217.6710
2017	15.9253	36.3968	26.2003	0.0448	7.3455	1.6781	9.0236	3.6454	1.5843	5.1892	0.0000	4,482.5236	4,482.5236	0.6669	0.0000	4,496.5294
2018	12.3887	2.0339	2.1470	3.7700e-003	0.0671	0.1511	0.2182	0.0178	0.1510	0.1688	0.0000	343.4157	343.4157	0.0299	0.0000	344.0431
<b>Total</b>	<b>32.1513</b>	<b>80.5549</b>	<b>61.3440</b>	<b>0.1102</b>	<b>14.4154</b>	<b>3.7813</b>	<b>18.0460</b>	<b>7.2244</b>	<b>3.5591</b>	<b>10.5766</b>	<b>0.0000</b>	<b>11,027.7980</b>	<b>11,027.7980</b>	<b>1.4498</b>	<b>0.0000</b>	<b>11,058.2435</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	1.4996	26.1006	27.0609	0.0616	3.2970	0.9307	3.9433	1.5385	0.9141	2.1740	0.0000	6,201.8587	6,201.8587	0.7530	0.0000	6,217.6710
2017	13.0357	18.3639	20.6638	0.0448	3.6397	0.9227	4.2747	1.6226	0.9218	2.2477	0.0000	4,482.5236	4,482.5236	0.6669	0.0000	4,496.5294
2018	12.1495	1.3851	2.1252	3.7700e-003	0.0671	0.0956	0.1627	0.0178	0.0956	0.1134	0.0000	343.4157	343.4157	0.0299	0.0000	344.0431
<b>Total</b>	<b>26.6848</b>	<b>45.8496</b>	<b>49.8499</b>	<b>0.1102</b>	<b>7.0037</b>	<b>1.9491</b>	<b>8.3806</b>	<b>3.1789</b>	<b>1.9314</b>	<b>4.5351</b>	<b>0.0000</b>	<b>11,027.7980</b>	<b>11,027.7980</b>	<b>1.4498</b>	<b>0.0000</b>	<b>11,058.2435</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	17.00	43.08	18.74	0.00	51.41	48.45	53.56	56.00	45.73	57.12	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179
Energy	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
Mobile	0.6357	1.8844	7.0944	0.0206	1.4530	0.0290	1.4820	0.3883	0.0267	0.4150		1,653.2280	1,653.2280	0.0609		1,654.5074
<b>Total</b>	<b>2.2197</b>	<b>2.0055</b>	<b>9.4609</b>	<b>0.0213</b>	<b>1.4530</b>	<b>0.0813</b>	<b>1.5343</b>	<b>0.3883</b>	<b>0.0787</b>	<b>0.4669</b>	<b>0.0000</b>	<b>2,281.7285</b>	<b>2,281.7285</b>	<b>0.0770</b>	<b>0.0115</b>	<b>2,286.8935</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179
Energy	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
Mobile	0.6357	1.8844	7.0944	0.0206	1.4530	0.0290	1.4820	0.3883	0.0267	0.4150		1,653.2280	1,653.2280	0.0609		1,654.5074
<b>Total</b>	<b>2.2197</b>	<b>2.0055</b>	<b>9.4609</b>	<b>0.0213</b>	<b>1.4530</b>	<b>0.0813</b>	<b>1.5343</b>	<b>0.3883</b>	<b>0.0787</b>	<b>0.4669</b>	<b>0.0000</b>	<b>2,281.7285</b>	<b>2,281.7285</b>	<b>0.0770</b>	<b>0.0115</b>	<b>2,286.8935</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	0.00	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	11/1/2016	11/30/2016	5	22	
2	Site Preparation	Site Preparation	12/1/2016	12/14/2016	5	10	
3	Grading	Grading	12/15/2016	1/11/2017	5	20	
4	Building Construction	Building Construction	1/12/2017	11/1/2017	5	210	
5	Architectural Coating	Architectural Coating	10/23/2017	1/26/2018	5	70	
6	Paving	Paving	11/2/2017	11/29/2017	5	20	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1

Acres of Paving: 0

Residential Indoor: 77,531; Residential Outdoor: 25,844; Non-Residential Indoor: 35,301; Non-Residential Outdoor: 11,767 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Scrapers	1	8.00	361	0.48

**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	1,058.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	622.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	30.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4788	0.0000	0.4788	0.0725	0.0000	0.0725			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.129 6	2,487.129 6	0.6288		2,500.334 3
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.4788</b>	<b>1.7445</b>	<b>2.2233</b>	<b>0.0725</b>	<b>1.6328</b>	<b>1.7052</b>		<b>2,487.129 6</b>	<b>2,487.129 6</b>	<b>0.6288</b>		<b>2,500.334 3</b>

### 3.2 Demolition - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8753	13.7920	10.7213	0.0354	0.8378	0.2064	1.0441	0.2294	0.1898	0.4192		3,569.6888	3,569.6888	0.0260		3,570.2345
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0744	0.7774	1.7300e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		145.0404	145.0404	7.9300e-003		145.2069
<b>Total</b>	<b>0.9307</b>	<b>13.8663</b>	<b>11.4987</b>	<b>0.0372</b>	<b>0.9831</b>	<b>0.2076</b>	<b>1.1907</b>	<b>0.2679</b>	<b>0.1910</b>	<b>0.4589</b>		<b>3,714.7292</b>	<b>3,714.7292</b>	<b>0.0339</b>		<b>3,715.4414</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	lb/day										lb/day					
Fugitive Dust					0.1867	0.0000	0.1867	0.0283	0.0000	0.0283			0.0000			0.0000
Off-Road	0.5689	12.2343	15.5622	0.0245		0.7231	0.7231		0.7231	0.7231	0.0000	2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>0.5689</b>	<b>12.2343</b>	<b>15.5622</b>	<b>0.0245</b>	<b>0.1867</b>	<b>0.7231</b>	<b>0.9099</b>	<b>0.0283</b>	<b>0.7231</b>	<b>0.7514</b>	<b>0.0000</b>	<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

### 3.2 Demolition - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8753	13.7920	10.7213	0.0354	0.8378	0.2064	1.0441	0.2294	0.1898	0.4192		3,569.6888	3,569.6888	0.0260		3,570.2345
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0744	0.7774	1.7300e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		145.0404	145.0404	7.9300e-003		145.2069
<b>Total</b>	<b>0.9307</b>	<b>13.8663</b>	<b>11.4987</b>	<b>0.0372</b>	<b>0.9831</b>	<b>0.2076</b>	<b>1.1907</b>	<b>0.2679</b>	<b>0.1910</b>	<b>0.4589</b>		<b>3,714.7292</b>	<b>3,714.7292</b>	<b>0.0339</b>		<b>3,715.4414</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1061	0.0000	0.1061	0.0115	0.0000	0.0115			0.0000			0.0000
Off-Road	2.6992	30.8238	18.0600	0.0239		1.5116	1.5116		1.3907	1.3907		2,480.1000	2,480.1000	0.7481		2,495.8099
<b>Total</b>	<b>2.6992</b>	<b>30.8238</b>	<b>18.0600</b>	<b>0.0239</b>	<b>0.1061</b>	<b>1.5116</b>	<b>1.6177</b>	<b>0.0115</b>	<b>1.3907</b>	<b>1.4022</b>		<b>2,480.1000</b>	<b>2,480.1000</b>	<b>0.7481</b>		<b>2,495.8099</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0341	0.0458	0.4784	1.0600e-003	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		89.2556	89.2556	4.8800e-003			89.3581
<b>Total</b>	<b>0.0341</b>	<b>0.0458</b>	<b>0.4784</b>	<b>1.0600e-003</b>	<b>0.0894</b>	<b>7.5000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>6.9000e-004</b>	<b>0.0244</b>		<b>89.2556</b>	<b>89.2556</b>	<b>4.8800e-003</b>			<b>89.3581</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	lb/day										lb/day					
Fugitive Dust					0.0414	0.0000	0.0414	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	0.5842	11.5269	14.6507	0.0239		0.5162	0.5162		0.5162	0.5162	0.0000	2,480.1000	2,480.1000	0.7481		2,495.8099
<b>Total</b>	<b>0.5842</b>	<b>11.5269</b>	<b>14.6507</b>	<b>0.0239</b>	<b>0.0414</b>	<b>0.5162</b>	<b>0.5576</b>	<b>4.4700e-003</b>	<b>0.5162</b>	<b>0.5207</b>	<b>0.0000</b>	<b>2,480.1000</b>	<b>2,480.1000</b>	<b>0.7481</b>		<b>2,495.8099</b>

### 3.3 Site Preparation - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0341	0.0458	0.4784	1.0600e-003	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		89.2556	89.2556	4.8800e-003		89.3581
<b>Total</b>	<b>0.0341</b>	<b>0.0458</b>	<b>0.4784</b>	<b>1.0600e-003</b>	<b>0.0894</b>	<b>7.5000e-004</b>	<b>0.0902</b>	<b>0.0237</b>	<b>6.9000e-004</b>	<b>0.0244</b>		<b>89.2556</b>	<b>89.2556</b>	<b>4.8800e-003</b>		<b>89.3581</b>

### 3.4 Grading - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0751	0.0000	6.0751	3.3160	0.0000	3.3160			0.0000			0.0000
Off-Road	2.8530	29.9470	19.6345	0.0206		1.6671	1.6671		1.5337	1.5337		2,139.274 2	2,139.274 2	0.6453		2,152.825 1
<b>Total</b>	<b>2.8530</b>	<b>29.9470</b>	<b>19.6345</b>	<b>0.0206</b>	<b>6.0751</b>	<b>1.6671</b>	<b>7.7422</b>	<b>3.3160</b>	<b>1.5337</b>	<b>4.8497</b>		<b>2,139.274 2</b>	<b>2,139.274 2</b>	<b>0.6453</b>		<b>2,152.825 1</b>

### 3.4 Grading - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5661	8.9192	6.9334	0.0229	0.8159	0.1335	0.9494	0.2156	0.1228	0.3384		2,308.4887	2,308.4887	0.0168		2,308.8416
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0426	0.0572	0.5980	1.3300e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		111.5695	111.5695	6.1000e-003		111.6976
<b>Total</b>	<b>0.6086</b>	<b>8.9764</b>	<b>7.5314</b>	<b>0.0243</b>	<b>0.9277</b>	<b>0.1344</b>	<b>1.0621</b>	<b>0.2453</b>	<b>0.1236</b>	<b>0.3689</b>		<b>2,420.0582</b>	<b>2,420.0582</b>	<b>0.0229</b>		<b>2,420.5392</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	lb/day										lb/day					
Fugitive Dust					2.3693	0.0000	2.3693	1.2932	0.0000	1.2932			0.0000			0.0000
Off-Road	0.4998	10.1279	13.4314	0.0206		0.5119	0.5119		0.5119	0.5119	0.0000	2,139.2742	2,139.2742	0.6453		2,152.8251
<b>Total</b>	<b>0.4998</b>	<b>10.1279</b>	<b>13.4314</b>	<b>0.0206</b>	<b>2.3693</b>	<b>0.5119</b>	<b>2.8812</b>	<b>1.2932</b>	<b>0.5119</b>	<b>1.8051</b>	<b>0.0000</b>	<b>2,139.2742</b>	<b>2,139.2742</b>	<b>0.6453</b>		<b>2,152.8251</b>

### 3.4 Grading - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5661	8.9192	6.9334	0.0229	0.8159	0.1335	0.9494	0.2156	0.1228	0.3384		2,308.4887	2,308.4887	0.0168		2,308.8416
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0426	0.0572	0.5980	1.3300e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		111.5695	111.5695	6.1000e-003		111.6976
<b>Total</b>	<b>0.6086</b>	<b>8.9764</b>	<b>7.5314</b>	<b>0.0243</b>	<b>0.9277</b>	<b>0.1344</b>	<b>1.0621</b>	<b>0.2453</b>	<b>0.1236</b>	<b>0.3689</b>		<b>2,420.0582</b>	<b>2,420.0582</b>	<b>0.0229</b>		<b>2,420.5392</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0751	0.0000	6.0751	3.3160	0.0000	3.3160			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306		2,104.5737	2,104.5737	0.6448		2,118.1153
<b>Total</b>	<b>2.6973</b>	<b>28.1608</b>	<b>18.9679</b>	<b>0.0206</b>	<b>6.0751</b>	<b>1.5550</b>	<b>7.6301</b>	<b>3.3160</b>	<b>1.4306</b>	<b>4.7466</b>		<b>2,104.5737</b>	<b>2,104.5737</b>	<b>0.6448</b>		<b>2,118.1153</b>

### 3.4 Grading - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5332	8.1844	6.6932	0.0229	1.1586	0.1221	1.2808	0.2998	0.1124	0.4121		2,270.6653	2,270.6653	0.0165		2,271.0114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0516	0.5392	1.3300e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2846	107.2846	5.6300e-003		107.4028
<b>Total</b>	<b>0.5713</b>	<b>8.2361</b>	<b>7.2324</b>	<b>0.0242</b>	<b>1.2704</b>	<b>0.1230</b>	<b>1.3934</b>	<b>0.3294</b>	<b>0.1132</b>	<b>0.4426</b>		<b>2,377.9499</b>	<b>2,377.9499</b>	<b>0.0221</b>		<b>2,378.4141</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	lb/day										lb/day					
Fugitive Dust					2.3693	0.0000	2.3693	1.2932	0.0000	1.2932			0.0000			0.0000
Off-Road	0.4998	10.1279	13.4314	0.0206		0.5119	0.5119		0.5119	0.5119	0.0000	2,104.5737	2,104.5737	0.6448		2,118.1153
<b>Total</b>	<b>0.4998</b>	<b>10.1279</b>	<b>13.4314</b>	<b>0.0206</b>	<b>2.3693</b>	<b>0.5119</b>	<b>2.8812</b>	<b>1.2932</b>	<b>0.5119</b>	<b>1.8051</b>	<b>0.0000</b>	<b>2,104.5737</b>	<b>2,104.5737</b>	<b>0.6448</b>		<b>2,118.1153</b>

### 3.4 Grading - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5332	8.1844	6.6932	0.0229	1.1586	0.1221	1.2808	0.2998	0.1124	0.4121		2,270.6653	2,270.6653	0.0165		2,271.0114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0516	0.5392	1.3300e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2846	107.2846	5.6300e-003		107.4028
<b>Total</b>	<b>0.5713</b>	<b>8.2361</b>	<b>7.2324</b>	<b>0.0242</b>	<b>1.2704</b>	<b>0.1230</b>	<b>1.3934</b>	<b>0.3294</b>	<b>0.1132</b>	<b>0.4426</b>		<b>2,377.9499</b>	<b>2,377.9499</b>	<b>0.0221</b>		<b>2,378.4141</b>

### 3.5 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998		2,334.8503	2,334.8503	0.5189		2,345.7479
<b>Total</b>	<b>3.3275</b>	<b>22.8585</b>	<b>16.2492</b>	<b>0.0249</b>		<b>1.4621</b>	<b>1.4621</b>		<b>1.3998</b>	<b>1.3998</b>		<b>2,334.8503</b>	<b>2,334.8503</b>	<b>0.5189</b>		<b>2,345.7479</b>

### 3.5 Building Construction - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0585	0.5672	0.7956	1.5100e-003	0.0438	8.9000e-003	0.0527	0.0125	8.1800e-003	0.0207		149.0047	149.0047	1.0900e-003			149.0277
Worker	0.1145	0.1549	1.6177	3.9800e-003	0.3353	2.7000e-003	0.3380	0.0889	2.4900e-003	0.0914		321.8538	321.8538	0.0169			322.2083
<b>Total</b>	<b>0.1731</b>	<b>0.7221</b>	<b>2.4133</b>	<b>5.4900e-003</b>	<b>0.3791</b>	<b>0.0116</b>	<b>0.3907</b>	<b>0.1014</b>	<b>0.0107</b>	<b>0.1121</b>		<b>470.8585</b>	<b>470.8585</b>	<b>0.0180</b>			<b>471.2360</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	lb/day										lb/day						
Off-Road	0.7108	13.5628	15.3416	0.0249		0.8155	0.8155		0.8155	0.8155	0.0000	2,334.8503	2,334.8503	0.5189			2,345.7479
<b>Total</b>	<b>0.7108</b>	<b>13.5628</b>	<b>15.3416</b>	<b>0.0249</b>		<b>0.8155</b>	<b>0.8155</b>		<b>0.8155</b>	<b>0.8155</b>	<b>0.0000</b>	<b>2,334.8503</b>	<b>2,334.8503</b>	<b>0.5189</b>			<b>2,345.7479</b>

### 3.5 Building Construction - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0585	0.5672	0.7956	1.5100e-003	0.0438	8.9000e-003	0.0527	0.0125	8.1800e-003	0.0207		149.0047	149.0047	1.0900e-003		149.0277
Worker	0.1145	0.1549	1.6177	3.9800e-003	0.3353	2.7000e-003	0.3380	0.0889	2.4900e-003	0.0914		321.8538	321.8538	0.0169		322.2083
<b>Total</b>	<b>0.1731</b>	<b>0.7221</b>	<b>2.4133</b>	<b>5.4900e-003</b>	<b>0.3791</b>	<b>0.0116</b>	<b>0.3907</b>	<b>0.1014</b>	<b>0.0107</b>	<b>0.1121</b>		<b>470.8585</b>	<b>470.8585</b>	<b>0.0180</b>		<b>471.2360</b>

### 3.6 Architectural Coating - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
<b>Total</b>	<b>12.4018</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0229	0.0310	0.3235	8.0000e-004	0.0671	5.4000e-004	0.0676	0.0178	5.0000e-004	0.0183		64.3708	64.3708	3.3800e-003			64.4417
<b>Total</b>	<b>0.0229</b>	<b>0.0310</b>	<b>0.3235</b>	<b>8.0000e-004</b>	<b>0.0671</b>	<b>5.4000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>5.0000e-004</b>	<b>0.0183</b>		<b>64.3708</b>	<b>64.3708</b>	<b>3.3800e-003</b>			<b>64.4417</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	lb/day										lb/day						
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>12.1289</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0229	0.0310	0.3235	8.0000e-004	0.0671	5.4000e-004	0.0676	0.0178	5.0000e-004	0.0183		64.3708	64.3708	3.3800e-003			64.4417
<b>Total</b>	<b>0.0229</b>	<b>0.0310</b>	<b>0.3235</b>	<b>8.0000e-004</b>	<b>0.0671</b>	<b>5.4000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>5.0000e-004</b>	<b>0.0183</b>		<b>64.3708</b>	<b>64.3708</b>	<b>3.3800e-003</b>			<b>64.4417</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>12.3681</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0206	0.0281	0.2928	8.0000e-004	0.0671	5.3000e-004	0.0676	0.0178	4.9000e-004	0.0183		61.9671	61.9671	3.1300e-003			62.0329
<b>Total</b>	<b>0.0206</b>	<b>0.0281</b>	<b>0.2928</b>	<b>8.0000e-004</b>	<b>0.0671</b>	<b>5.3000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>4.9000e-004</b>	<b>0.0183</b>		<b>61.9671</b>	<b>61.9671</b>	<b>3.1300e-003</b>			<b>62.0329</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	lb/day										lb/day						
Archit. Coating	12.0695					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>12.1289</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0206	0.0281	0.2928	8.0000e-004	0.0671	5.3000e-004	0.0676	0.0178	4.9000e-004	0.0183		61.9671	61.9671	3.1300e-003			62.0329
<b>Total</b>	<b>0.0206</b>	<b>0.0281</b>	<b>0.2928</b>	<b>8.0000e-004</b>	<b>0.0671</b>	<b>5.3000e-004</b>	<b>0.0676</b>	<b>0.0178</b>	<b>4.9000e-004</b>	<b>0.0183</b>		<b>61.9671</b>	<b>61.9671</b>	<b>3.1300e-003</b>			<b>62.0329</b>

### 3.7 Paving - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6402	16.4619	12.0566	0.0176		1.0230	1.0230		0.9423	0.9423		1,777.4745	1,777.4745	0.5344			1,788.6966
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.6402</b>	<b>16.4619</b>	<b>12.0566</b>	<b>0.0176</b>		<b>1.0230</b>	<b>1.0230</b>		<b>0.9423</b>	<b>0.9423</b>		<b>1,777.4745</b>	<b>1,777.4745</b>	<b>0.5344</b>			<b>1,788.6966</b>

### 3.7 Paving - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0573	0.0775	0.8088	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9269	160.9269	8.4400e-003			161.1042
<b>Total</b>	<b>0.0573</b>	<b>0.0775</b>	<b>0.8088</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>160.9269</b>	<b>160.9269</b>	<b>8.4400e-003</b>			<b>161.1042</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	lb/day										lb/day						
Off-Road	0.4148	8.7357	12.7897	0.0176		0.5236	0.5236		0.5236	0.5236	0.0000	1,777.4745	1,777.4745	0.5344			1,788.6966
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>0.4148</b>	<b>8.7357</b>	<b>12.7897</b>	<b>0.0176</b>		<b>0.5236</b>	<b>0.5236</b>		<b>0.5236</b>	<b>0.5236</b>	<b>0.0000</b>	<b>1,777.4745</b>	<b>1,777.4745</b>	<b>0.5344</b>			<b>1,788.6966</b>

### 3.7 Paving - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0775	0.8088	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9269	160.9269	8.4400e-003		161.1042
<b>Total</b>	<b>0.0573</b>	<b>0.0775</b>	<b>0.8088</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>160.9269</b>	<b>160.9269</b>	<b>8.4400e-003</b>		<b>161.1042</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	lb/day										lb/day					
Mitigated	0.6357	1.8844	7.0944	0.0206	1.4530	0.0290	1.4820	0.3883	0.0267	0.4150		1,653.2280	1,653.2280	0.0609		1,654.5074
Unmitigated	0.6357	1.8844	7.0944	0.0206	1.4530	0.0290	1.4820	0.3883	0.0267	0.4150		1,653.2280	1,653.2280	0.0609		1,654.5074

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	184.52	200.48	169.96	631,216	631,216
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>184.52</b>	<b>200.48</b>	<b>169.96</b>	<b>631,216</b>	<b>631,216</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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

### 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	lb/day										lb/day					
NaturalGas Mitigated	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
NaturalGas Unmitigated	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	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
Condo/Townhouse	1022.86	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
<b>Total</b>		<b>0.0110</b>	<b>0.0943</b>	<b>0.0401</b>	<b>6.0000e-004</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>120.3359</b>	<b>120.3359</b>	<b>2.3100e-003</b>	<b>2.2100e-003</b>	<b>121.0683</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	lb/day										lb/day					
Condo/Townhouse	1.02286	0.0110	0.0943	0.0401	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3359	120.3359	2.3100e-003	2.2100e-003	121.0683
Enclosed Parking with Elevator	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
<b>Total</b>		<b>0.0110</b>	<b>0.0943</b>	<b>0.0401</b>	<b>6.0000e-004</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>7.6200e-003</b>	<b>7.6200e-003</b>		<b>120.3359</b>	<b>120.3359</b>	<b>2.3100e-003</b>	<b>2.2100e-003</b>	<b>121.0683</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179
Unmitigated	1.5730	0.0269	2.3264	1.2000e-004		0.0447	0.0447		0.0443	0.0443	0.0000	508.1646	508.1646	0.0138	9.2400e-003	511.3179

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0462	0.0000	2.5200e-003	0.0000		0.0319	0.0319		0.0316	0.0316	0.0000	504.0000	504.0000	9.6600e-003	9.2400e-003	507.0673
Landscaping	0.0713	0.0269	2.3239	1.2000e-004		0.0127	0.0127		0.0127	0.0127		4.1646	4.1646	4.1000e-003		4.2507
<b>Total</b>	<b>1.5730</b>	<b>0.0269</b>	<b>2.3264</b>	<b>1.2000e-004</b>		<b>0.0447</b>	<b>0.0447</b>		<b>0.0443</b>	<b>0.0443</b>	<b>0.0000</b>	<b>508.1646</b>	<b>508.1646</b>	<b>0.0138</b>	<b>9.2400e-003</b>	<b>511.3179</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	lb/day										lb/day					
Architectural Coating	0.2315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0462	0.0000	2.5200e-003	0.0000		0.0319	0.0319		0.0316	0.0316	0.0000	504.0000	504.0000	9.6600e-003	9.2400e-003	507.0673
Landscaping	0.0713	0.0269	2.3239	1.2000e-004		0.0127	0.0127		0.0127	0.0127		4.1646	4.1646	4.1000e-003		4.2507
<b>Total</b>	<b>1.5730</b>	<b>0.0269</b>	<b>2.3264</b>	<b>1.2000e-004</b>		<b>0.0447</b>	<b>0.0447</b>		<b>0.0443</b>	<b>0.0443</b>	<b>0.0000</b>	<b>508.1646</b>	<b>508.1646</b>	<b>0.0138</b>	<b>9.2400e-003</b>	<b>511.3179</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

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