

**Del Mar City Hall**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	32.45	1000sqft	0.74	32,450.00	0
Enclosed Parking Structure	110.00	Space	0.99	44,000.00	0
Parking Lot	50.00	Space	0.45	20,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2017
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	611.81	<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 - RPS Adjustment

Land Use - Per Project Plans

Construction Phase - Per Project Schedule

Demolition - All on-site structures

Grading - Site is only 1.5 Acres

Architectural Coating - Rule 67

Vehicle Trips - SANDAG Region Trip Length

Vehicle Emission Factors - X

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - No change

Water And Wastewater - No Change

Solid Waste - No Change

Construction Off-road Equipment Mitigation - Watering per project description

Mobile Land Use Mitigation -

Water Mitigation - Title 24 Part 11 Requirements

Waste Mitigation - Waste Reduction Plan

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	200.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	220.00	325.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	PhaseEndDate	6/27/2017	6/26/2017
tblConstructionPhase	PhaseEndDate	7/10/2017	5/26/2017
tblConstructionPhase	PhaseStartDate	5/27/2017	5/29/2017
tblConstructionPhase	PhaseStartDate	3/30/2016	3/29/2016
tblConstructionPhase	PhaseStartDate	6/27/2017	5/15/2017
tblGrading	AcresOfGrading	20.00	3.00
tblGrading	MaterialExported	0.00	30,000.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	611.81
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	CC_TL	7.30	5.80
tblVehicleTrips	CNW_TL	7.30	5.80
tblVehicleTrips	CW_TL	9.50	5.80

## 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	11.2181	77.0675	55.0670	0.1096	7.8859	3.6026	11.4885	3.8053	3.3755	7.1808	0.0000	10,869.9671	10,869.9671	1.2505	0.0000	10,896.2265
2017	59.7814	40.8703	32.0805	0.0517	0.5334	2.5081	3.0415	0.1436	2.3633	2.5069	0.0000	4,921.8265	4,921.8265	1.0770	0.0000	4,944.4443
<b>Total</b>	<b>70.9995</b>	<b>117.9378</b>	<b>87.1475</b>	<b>0.1613</b>	<b>8.4193</b>	<b>6.1107</b>	<b>14.5300</b>	<b>3.9489</b>	<b>5.7388</b>	<b>9.6877</b>	<b>0.0000</b>	<b>15,791.7936</b>	<b>15,791.7936</b>	<b>2.3275</b>	<b>0.0000</b>	<b>15,840.6708</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	11.2121	77.0174	55.0336	0.1096	42.3974	3.5996	45.9970	11.1654	3.3727	14.5381	0.0000	10,865.8464	10,865.8464	1.2494	0.0000	10,892.0829
2017	59.7780	40.8342	32.0546	0.0517	0.5334	2.5058	3.0392	0.1436	2.3612	2.5048	0.0000	4,918.0537	4,918.0537	1.0761	0.0000	4,940.6512
<b>Total</b>	<b>70.9901</b>	<b>117.8516</b>	<b>87.0882</b>	<b>0.1612</b>	<b>42.9308</b>	<b>6.1054</b>	<b>49.0362</b>	<b>11.3090</b>	<b>5.7338</b>	<b>17.0428</b>	<b>0.0000</b>	<b>15,783.9001</b>	<b>15,783.9001</b>	<b>2.3254</b>	<b>0.0000</b>	<b>15,832.7341</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>0.0132</b>	<b>0.0730</b>	<b>0.0681</b>	<b>0.0496</b>	<b>-409.9094</b>	<b>0.0867</b>	<b>-237.4829</b>	<b>-186.3833</b>	<b>0.0870</b>	<b>-75.9223</b>	<b>0.0000</b>	<b>0.0500</b>	<b>0.0500</b>	<b>0.0885</b>	<b>0.0000</b>	<b>0.0501</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
Energy	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
Mobile	4.5313	3.8293	19.1102	0.0366	2.3788	0.0467	2.4256	0.6350	0.0430	0.6780		3,082.6382	3,082.6382	0.1350		3,085.4729
<b>Total</b>	<b>7.1066</b>	<b>4.0128</b>	<b>19.2842</b>	<b>0.0377</b>	<b>2.3788</b>	<b>0.0607</b>	<b>2.4396</b>	<b>0.6350</b>	<b>0.0570</b>	<b>0.6920</b>		<b>3,302.6395</b>	<b>3,302.6395</b>	<b>0.1393</b>	<b>4.0300e-003</b>	<b>3,306.8153</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	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
Energy	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
Mobile	4.5313	3.8293	19.1102	0.0366	2.3788	0.0467	2.4256	0.6350	0.0430	0.6780		3,082.6382	3,082.6382	0.1350		3,085.4729
<b>Total</b>	<b>7.1066</b>	<b>4.0128</b>	<b>19.2842</b>	<b>0.0377</b>	<b>2.3788</b>	<b>0.0607</b>	<b>2.4396</b>	<b>0.6350</b>	<b>0.0570</b>	<b>0.6920</b>		<b>3,302.6395</b>	<b>3,302.6395</b>	<b>0.1393</b>	<b>4.0300e-003</b>	<b>3,306.8153</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/2/2016	5	3	
3	Grading	Grading	2/3/2016	3/29/2016	5	40	
4	Building Construction	Building Construction	3/29/2016	6/26/2017	5	325	
5	Paving	Paving	5/15/2017	5/26/2017	5	10	
6	Architectural Coating	Architectural Coating	5/29/2017	6/26/2017	5	21	

#### 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	Scrapers	1	8.00	361	0.48
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
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
Architectural Coating	Air Compressors	1	6.00	78	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	54.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	2,966.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	37.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

Acres of Grading: 4.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5926	0.0000	0.5926	0.0897	0.0000	0.0897			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.5926</b>	<b>1.7445</b>	<b>2.3371</b>	<b>0.0897</b>	<b>1.6328</b>	<b>1.7225</b>		<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

### 3.2 Demolition - 2016

#### Unmitigated Construction Off-Site

Acres of Grading: 4.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1348	0.7566	0.5401	2.0200e-003	0.0471	0.0103	0.0574	0.0129	9.5100e-003	0.0224		203.4929	203.4929	1.4500e-003		203.5233
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	0.1785	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.3132</b>	<b>0.8100</b>	<b>1.1217</b>	<b>3.3700e-003</b>	<b>0.1538</b>	<b>0.0111</b>	<b>0.1650</b>	<b>0.0412</b>	<b>0.0103</b>	<b>0.0515</b>		<b>316.4020</b>	<b>316.4020</b>	<b>7.1100e-003</b>		<b>316.5512</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					0.2311	0.0000	0.2311	0.0350	0.0000	0.0350			0.0000			0.0000
Off-Road	2.9039	28.2320	21.4783	0.0245		1.7429	1.7429		1.6313	1.6313	0.0000	2,484.8478	2,484.8478	0.6282		2,498.0404
<b>Total</b>	<b>2.9039</b>	<b>28.2320</b>	<b>21.4783</b>	<b>0.0245</b>	<b>0.2311</b>	<b>1.7429</b>	<b>1.9740</b>	<b>0.0350</b>	<b>1.6313</b>	<b>1.6663</b>	<b>0.0000</b>	<b>2,484.8478</b>	<b>2,484.8478</b>	<b>0.6282</b>		<b>2,498.0404</b>

### 3.2 Demolition - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 4.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1348	0.7566	0.5401	2.0200e-003	0.7253	0.0103	0.7356	0.1794	9.5100e-003	0.1889		203.4929	203.4929	1.4500e-003		203.5233
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	0.1785	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.3132</b>	<b>0.8100</b>	<b>1.1217</b>	<b>3.3700e-003</b>	<b>0.8321</b>	<b>0.0111</b>	<b>0.8432</b>	<b>0.2077</b>	<b>0.0103</b>	<b>0.2179</b>		<b>316.4020</b>	<b>316.4020</b>	<b>7.1100e-003</b>		<b>316.5512</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

Acres of Grading: 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			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>1.5908</b>	<b>1.5116</b>	<b>3.1024</b>	<b>0.1718</b>	<b>1.3907</b>	<b>1.5625</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

Acres of Grading: 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1098	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.1098</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</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					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	2.6967	30.7955	18.0434	0.0238		1.5103	1.5103		1.3894	1.3894	0.0000	2,477.8247	2,477.8247	0.7474		2,493.5201
<b>Total</b>	<b>2.6967</b>	<b>30.7955</b>	<b>18.0434</b>	<b>0.0238</b>	<b>0.6204</b>	<b>1.5103</b>	<b>2.1306</b>	<b>0.0670</b>	<b>1.3894</b>	<b>1.4564</b>	<b>0.0000</b>	<b>2,477.8247</b>	<b>2,477.8247</b>	<b>0.7474</b>		<b>2,493.5201</b>

### 3.3 Site Preparation - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1098	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.1098</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</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					6.1016	0.0000	6.1016	3.3188	0.0000	3.3188			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>6.1016</b>	<b>1.6671</b>	<b>7.7687</b>	<b>3.3188</b>	<b>1.5337</b>	<b>4.8526</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	3.7015	20.7793	14.8333	0.0555	1.2920	0.2839	1.5759	0.3538	0.2612	0.6149		5,588.5175	5,588.5175	0.0398		5,589.3527
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	0.1373	0.0410	0.4474	1.0400e-003	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		86.8532	86.8532	4.3500e-003		86.9446
<b>Total</b>	<b>3.8388</b>	<b>20.8204</b>	<b>15.2807</b>	<b>0.0565</b>	<b>1.3742</b>	<b>0.2845</b>	<b>1.6587</b>	<b>0.3756</b>	<b>0.2617</b>	<b>0.6373</b>		<b>5,675.3707</b>	<b>5,675.3707</b>	<b>0.0441</b>		<b>5,676.2973</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					2.3796	0.0000	2.3796	1.2943	0.0000	1.2943			0.0000			0.0000
Off-Road	2.8504	29.9195	19.6165	0.0205		1.6656	1.6656		1.5323	1.5323	0.0000	2,137.3115	2,137.3115	0.6447		2,150.8500
<b>Total</b>	<b>2.8504</b>	<b>29.9195</b>	<b>19.6165</b>	<b>0.0205</b>	<b>2.3796</b>	<b>1.6656</b>	<b>4.0452</b>	<b>1.2943</b>	<b>1.5323</b>	<b>2.8267</b>	<b>0.0000</b>	<b>2,137.3115</b>	<b>2,137.3115</b>	<b>0.6447</b>		<b>2,150.8500</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	3.7015	20.7793	14.8333	0.0555	39.5255	0.2839	39.8094	9.7384	0.2612	9.9995		5,588.5175	5,588.5175	0.0398		5,589.3527
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	0.1373	0.0410	0.4474	1.0400e-003	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		86.8532	86.8532	4.3500e-003		86.9446
<b>Total</b>	<b>3.8388</b>	<b>20.8204</b>	<b>15.2807</b>	<b>0.0565</b>	<b>39.6077</b>	<b>0.2845</b>	<b>39.8922</b>	<b>9.7602</b>	<b>0.2617</b>	<b>10.0219</b>		<b>5,675.3707</b>	<b>5,675.3707</b>	<b>0.0441</b>		<b>5,676.2973</b>

**3.5 Building Construction - 2016**

**Unmitigated Construction On-Site**

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6984	24.6320	16.7166	0.0249		1.6257	1.6257		1.5569	1.5569		2,352.2239	2,352.2239	0.5420		2,363.6057
<b>Total</b>	<b>3.6984</b>	<b>24.6320</b>	<b>16.7166</b>	<b>0.0249</b>		<b>1.6257</b>	<b>1.6257</b>		<b>1.5569</b>	<b>1.5569</b>		<b>2,352.2239</b>	<b>2,352.2239</b>	<b>0.5420</b>		<b>2,363.6057</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3200	1.5164	1.7799	3.8100e-003	0.1062	0.0229	0.1291	0.0303	0.0211	0.0514		381.7415	381.7415	2.9500e-003		381.8035
Worker	0.5079	0.1518	1.6553	3.8500e-003	0.3040	2.2800e-003	0.3062	0.0806	2.1000e-003	0.0827		321.3568	321.3568	0.0161		321.6950
<b>Total</b>	<b>0.8279</b>	<b>1.6681</b>	<b>3.4352</b>	<b>7.6600e-003</b>	<b>0.4102</b>	<b>0.0252</b>	<b>0.4354</b>	<b>0.1109</b>	<b>0.0232</b>	<b>0.1341</b>		<b>703.0983</b>	<b>703.0983</b>	<b>0.0191</b>		<b>703.4984</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	3.6951	24.6094	16.7013	0.0249		1.6243	1.6243		1.5554	1.5554	0.0000	2,350.0658	2,350.0658	0.5415		2,361.4372
<b>Total</b>	<b>3.6951</b>	<b>24.6094</b>	<b>16.7013</b>	<b>0.0249</b>		<b>1.6243</b>	<b>1.6243</b>		<b>1.5554</b>	<b>1.5554</b>	<b>0.0000</b>	<b>2,350.0658</b>	<b>2,350.0658</b>	<b>0.5415</b>		<b>2,361.4372</b>

### 3.5 Building Construction - 2016

#### Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3200	1.5164	1.7799	3.8100e-003	0.1062	0.0229	0.1291	0.0303	0.0211	0.0514		381.7415	381.7415	2.9500e-003		381.8035
Worker	0.5079	0.1518	1.6553	3.8500e-003	0.3040	2.2800e-003	0.3062	0.0806	2.1000e-003	0.0827		321.3568	321.3568	0.0161		321.6950
<b>Total</b>	<b>0.8279</b>	<b>1.6681</b>	<b>3.4352</b>	<b>7.6600e-003</b>	<b>0.4102</b>	<b>0.0252</b>	<b>0.4354</b>	<b>0.1109</b>	<b>0.0232</b>	<b>0.1341</b>		<b>703.0983</b>	<b>703.0983</b>	<b>0.0191</b>		<b>703.4984</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

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2906	1.3560	1.6706	3.8000e-003	0.1062	0.0199	0.1261	0.0303	0.0183	0.0486		375.2926	375.2926	2.7900e-003			375.3512
Worker	0.4720	0.1379	1.4972	3.8500e-003	0.3040	2.2100e-003	0.3062	0.0806	2.0400e-003	0.0827		308.9565	308.9565	0.0149			309.2693
<b>Total</b>	<b>0.7626</b>	<b>1.4939</b>	<b>3.1678</b>	<b>7.6500e-003</b>	<b>0.4102</b>	<b>0.0221</b>	<b>0.4323</b>	<b>0.1109</b>	<b>0.0204</b>	<b>0.1313</b>		<b>684.2491</b>	<b>684.2491</b>	<b>0.0177</b>			<b>684.6205</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	3.3245	22.8375	16.2343	0.0249		1.4607	1.4607		1.3985	1.3985	0.0000	2,332.7082	2,332.7082	0.5185			2,343.5958
<b>Total</b>	<b>3.3245</b>	<b>22.8375</b>	<b>16.2343</b>	<b>0.0249</b>		<b>1.4607</b>	<b>1.4607</b>		<b>1.3985</b>	<b>1.3985</b>	<b>0.0000</b>	<b>2,332.7082</b>	<b>2,332.7082</b>	<b>0.5185</b>			<b>2,343.5958</b>

### 3.5 Building Construction - 2017

#### Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2906	1.3560	1.6706	3.8000e-003	0.1062	0.0199	0.1261	0.0303	0.0183	0.0486		375.2926	375.2926	2.7900e-003		375.3512
Worker	0.4720	0.1379	1.4972	3.8500e-003	0.3040	2.2100e-003	0.3062	0.0806	2.0400e-003	0.0827		308.9565	308.9565	0.0149		309.2693
<b>Total</b>	<b>0.7626</b>	<b>1.4939</b>	<b>3.1678</b>	<b>7.6500e-003</b>	<b>0.4102</b>	<b>0.0221</b>	<b>0.4323</b>	<b>0.1109</b>	<b>0.0204</b>	<b>0.1313</b>		<b>684.2491</b>	<b>684.2491</b>	<b>0.0177</b>		<b>684.6205</b>

### 3.6 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	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7581</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>

**3.6 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	0.1914	0.0559	0.6070	1.5600e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		125.2526	125.2526	6.0400e-003		125.3794
<b>Total</b>	<b>0.1914</b>	<b>0.0559</b>	<b>0.6070</b>	<b>1.5600e-003</b>	<b>0.1232</b>	<b>9.0000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.3000e-004</b>	<b>0.0335</b>		<b>125.2526</b>	<b>125.2526</b>	<b>6.0400e-003</b>		<b>125.3794</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	1.6386	16.4468	12.0455	0.0176		1.0221	1.0221		0.9415	0.9415	0.0000	1,775.8438	1,775.8438	0.5339		1,787.0555
Paving	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7565</b>	<b>16.4468</b>	<b>12.0455</b>	<b>0.0176</b>		<b>1.0221</b>	<b>1.0221</b>		<b>0.9415</b>	<b>0.9415</b>	<b>0.0000</b>	<b>1,775.8438</b>	<b>1,775.8438</b>	<b>0.5339</b>		<b>1,787.0555</b>

### 3.6 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	0.1914	0.0559	0.6070	1.5600e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		125.2526	125.2526	6.0400e-003		125.3794
<b>Total</b>	<b>0.1914</b>	<b>0.0559</b>	<b>0.6070</b>	<b>1.5600e-003</b>	<b>0.1232</b>	<b>9.0000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.3000e-004</b>	<b>0.0335</b>		<b>125.2526</b>	<b>125.2526</b>	<b>6.0400e-003</b>		<b>125.3794</b>

### 3.7 Architectural Coating - 2017

#### Unmitigated Construction On-Site

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 115,575; Non-Residential Outdoor: 38,525

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	55.2696					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>55.6019</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>

### 3.7 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 115,575; Non-Residential Outdoor: 38,525**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0893	0.0261	0.2833	7.3000e-004	0.0575	4.2000e-004	0.0579	0.0153	3.9000e-004	0.0156		58.4512	58.4512	2.8200e-003		58.5104
<b>Total</b>	<b>0.0893</b>	<b>0.0261</b>	<b>0.2833</b>	<b>7.3000e-004</b>	<b>0.0575</b>	<b>4.2000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.9000e-004</b>	<b>0.0156</b>		<b>58.4512</b>	<b>58.4512</b>	<b>2.8200e-003</b>		<b>58.5104</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	55.2696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3320	2.1830	1.8664	2.9700e-003		0.1732	0.1732		0.1732	0.1732	0.0000	281.1898	281.1898	0.0297		281.8133
<b>Total</b>	<b>55.6016</b>	<b>2.1830</b>	<b>1.8664</b>	<b>2.9700e-003</b>		<b>0.1732</b>	<b>0.1732</b>		<b>0.1732</b>	<b>0.1732</b>	<b>0.0000</b>	<b>281.1898</b>	<b>281.1898</b>	<b>0.0297</b>		<b>281.8133</b>

### 3.7 Architectural Coating - 2017

#### Mitigated Construction Off-Site

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 115,575; Non-Residential Outdoor: 38,525**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0893	0.0261	0.2833	7.3000e-004	0.0575	4.2000e-004	0.0579	0.0153	3.9000e-004	0.0156		58.4512	58.4512	2.8200e-003		58.5104
<b>Total</b>	<b>0.0893</b>	<b>0.0261</b>	<b>0.2833</b>	<b>7.3000e-004</b>	<b>0.0575</b>	<b>4.2000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.9000e-004</b>	<b>0.0156</b>		<b>58.4512</b>	<b>58.4512</b>	<b>2.8200e-003</b>		<b>58.5104</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	4.5313	3.8293	19.1102	0.0366	2.3788	0.0467	2.4256	0.6350	0.0430	0.6780		3,082.6382	3,082.6382	0.1350		3,085.4729
Unmitigated	4.5313	3.8293	19.1102	0.0366	2.3788	0.0467	2.4256	0.6350	0.0430	0.6780		3,082.6382	3,082.6382	0.1350		3,085.4729

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
Government (Civic Center)	906.00	0.00	0.00	803,028	803,028
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>906.00</b>	<b>0.00</b>	<b>0.00</b>	<b>803,028</b>	<b>803,028</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
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Government (Civic Center)	5.80	5.80	5.80	75.00	20.00	5.00	50	34	16
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

### 4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510423	0.073380	0.192408	0.132453	0.036550	0.005219	0.012745	0.022253	0.001862	0.002079	0.006550	0.000609	0.003468

### 5.0 Energy Detail

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Historical Energy Use: N

### 5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
NaturalGas Unmitigated	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979

**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					
Parking Lot	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
Enclosed Parking Structure	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
Government (Civic Center)	1869.65	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
<b>Total</b>		<b>0.0202</b>	<b>0.1833</b>	<b>0.1540</b>	<b>1.1000e-003</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>		<b>219.9592</b>	<b>219.9592</b>	<b>4.2200e-003</b>	<b>4.0300e-003</b>	<b>221.2979</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						
Parking Lot	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
Enclosed Parking Structure	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
Government (Civic Center)	1.86965	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979	
<b>Total</b>		<b>0.0202</b>	<b>0.1833</b>	<b>0.1540</b>	<b>1.1000e-003</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>		<b>219.9592</b>	<b>219.9592</b>	<b>4.2200e-003</b>	<b>4.0300e-003</b>	<b>221.2979</b>	

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
Unmitigated	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446

## 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	0.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
<b>Total</b>	<b>2.5552</b>	<b>1.9000e-004</b>	<b>0.0200</b>	<b>0.0000</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>0.0421</b>	<b>0.0421</b>	<b>1.2000e-004</b>		<b>0.0446</b>

### 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	0.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
<b>Total</b>	<b>2.5552</b>	<b>1.9000e-004</b>	<b>0.0200</b>	<b>0.0000</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>0.0421</b>	<b>0.0421</b>	<b>1.2000e-004</b>		<b>0.0446</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 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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**Del Mar City Hall**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	32.45	1000sqft	0.74	32,450.00	0
Enclosed Parking Structure	110.00	Space	0.99	44,000.00	0
Parking Lot	50.00	Space	0.45	20,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2017
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	611.81	<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 - RPS Adjustment

Land Use - Per Project Plans

Construction Phase - Per Project Schedule

Demolition - All on-site structures

Grading - Site is only 1.5 Acres

Architectural Coating - Rule 67

Vehicle Trips - SANDAG Region Trip Length

Vehicle Emission Factors - X

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - No change

Water And Wastewater - No Change

Solid Waste - No Change

Construction Off-road Equipment Mitigation - Watering per project description

Mobile Land Use Mitigation -

Water Mitigation - Title 24 Part 11 Requirements

Waste Mitigation - Waste Reduction Plan

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	200.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	220.00	325.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	PhaseEndDate	6/27/2017	6/26/2017
tblConstructionPhase	PhaseEndDate	7/10/2017	5/26/2017
tblConstructionPhase	PhaseStartDate	5/27/2017	5/29/2017
tblConstructionPhase	PhaseStartDate	3/30/2016	3/29/2016
tblConstructionPhase	PhaseStartDate	6/27/2017	5/15/2017
tblGrading	AcresOfGrading	20.00	3.00
tblGrading	MaterialExported	0.00	30,000.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	611.81
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	CC_TL	7.30	5.80
tblVehicleTrips	CNW_TL	7.30	5.80
tblVehicleTrips	CW_TL	9.50	5.80

## 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	11.7975	77.7981	59.9520	0.1092	7.8859	3.6036	11.4896	3.8053	3.3765	7.1818	0.0000	10,829.0891	10,829.0891	1.2510	0.0000	10,855.3610
2017	59.9605	40.9260	32.6087	0.0513	0.5334	2.5083	3.0417	0.1436	2.3635	2.5071	0.0000	4,892.4881	4,892.4881	1.0771	0.0000	4,915.1074
<b>Total</b>	<b>71.7580</b>	<b>118.7241</b>	<b>92.5606</b>	<b>0.1606</b>	<b>8.4193</b>	<b>6.1119</b>	<b>14.5312</b>	<b>3.9489</b>	<b>5.7400</b>	<b>9.6889</b>	<b>0.0000</b>	<b>15,721.5772</b>	<b>15,721.5772</b>	<b>2.3282</b>	<b>0.0000</b>	<b>15,770.4684</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	11.7915	77.7480	59.9186	0.1092	42.3974	3.6006	45.9980	11.1654	3.3736	14.5390	0.0000	10,824.9684	10,824.9684	1.2500	0.0000	10,851.2174
2017	59.9571	40.8900	32.5827	0.0513	0.5334	2.5060	3.0394	0.1436	2.3613	2.5050	0.0000	4,888.7152	4,888.7152	1.0762	0.0000	4,911.3143
<b>Total</b>	<b>71.7486</b>	<b>118.6380</b>	<b>92.5013</b>	<b>0.1605</b>	<b>42.9308</b>	<b>6.1066</b>	<b>49.0374</b>	<b>11.3090</b>	<b>5.7350</b>	<b>17.0440</b>	<b>0.0000</b>	<b>15,713.6837</b>	<b>15,713.6837</b>	<b>2.3261</b>	<b>0.0000</b>	<b>15,762.5317</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>0.0131</b>	<b>0.0726</b>	<b>0.0641</b>	<b>0.0498</b>	<b>-409.9094</b>	<b>0.0867</b>	<b>-237.4628</b>	<b>-186.3833</b>	<b>0.0869</b>	<b>-75.9132</b>	<b>0.0000</b>	<b>0.0502</b>	<b>0.0502</b>	<b>0.0881</b>	<b>0.0000</b>	<b>0.0503</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
Energy	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
Mobile	5.2828	4.0541	21.7788	0.0348	2.3788	0.0471	2.4260	0.6350	0.0434	0.6784		2,935.6161	2,935.6161	0.1352		2,938.4546
<b>Total</b>	<b>7.8581</b>	<b>4.2376</b>	<b>21.9528</b>	<b>0.0359</b>	<b>2.3788</b>	<b>0.0611</b>	<b>2.4400</b>	<b>0.6350</b>	<b>0.0574</b>	<b>0.6924</b>		<b>3,155.6174</b>	<b>3,155.6174</b>	<b>0.1395</b>	<b>4.0300e-003</b>	<b>3,159.7970</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	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
Energy	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
Mobile	5.2828	4.0541	21.7788	0.0348	2.3788	0.0471	2.4260	0.6350	0.0434	0.6784		2,935.6161	2,935.6161	0.1352		2,938.4546
<b>Total</b>	<b>7.8581</b>	<b>4.2376</b>	<b>21.9528</b>	<b>0.0359</b>	<b>2.3788</b>	<b>0.0611</b>	<b>2.4400</b>	<b>0.6350</b>	<b>0.0574</b>	<b>0.6924</b>		<b>3,155.6174</b>	<b>3,155.6174</b>	<b>0.1395</b>	<b>4.0300e-003</b>	<b>3,159.7970</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/2/2016	5	3	
3	Grading	Grading	2/3/2016	3/29/2016	5	40	
4	Building Construction	Building Construction	3/29/2016	6/26/2017	5	325	
5	Paving	Paving	5/15/2017	5/26/2017	5	10	
6	Architectural Coating	Architectural Coating	5/29/2017	6/26/2017	5	21	

#### 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	Scrapers	1	8.00	361	0.48
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
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
Architectural Coating	Air Compressors	1	6.00	78	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	54.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	2,966.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	37.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

Acres of Grading: 4.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5926	0.0000	0.5926	0.0897	0.0000	0.0897			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.5926</b>	<b>1.7445</b>	<b>2.3371</b>	<b>0.0897</b>	<b>1.6328</b>	<b>1.7225</b>		<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

### 3.2 Demolition - 2016

#### Unmitigated Construction Off-Site

Acres of Grading: 4.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1485	0.7810	0.6978	2.0200e-003	0.0471	0.0104	0.0574	0.0129	9.5400e-003	0.0224		203.0156	203.0156	1.4700e-003		203.0464
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	0.2223	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.3708</b>	<b>0.8409</b>	<b>1.2628</b>	<b>3.2900e-003</b>	<b>0.1538</b>	<b>0.0112</b>	<b>0.1650</b>	<b>0.0412</b>	<b>0.0103</b>	<b>0.0515</b>		<b>309.0529</b>	<b>309.0529</b>	<b>7.1300e-003</b>		<b>309.2025</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					0.2311	0.0000	0.2311	0.0350	0.0000	0.0350			0.0000			0.0000
Off-Road	2.9039	28.2320	21.4783	0.0245		1.7429	1.7429		1.6313	1.6313	0.0000	2,484.8478	2,484.8478	0.6282		2,498.0404
<b>Total</b>	<b>2.9039</b>	<b>28.2320</b>	<b>21.4783</b>	<b>0.0245</b>	<b>0.2311</b>	<b>1.7429</b>	<b>1.9740</b>	<b>0.0350</b>	<b>1.6313</b>	<b>1.6663</b>	<b>0.0000</b>	<b>2,484.8478</b>	<b>2,484.8478</b>	<b>0.6282</b>		<b>2,498.0404</b>

### 3.2 Demolition - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 4.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1485	0.7810	0.6978	2.0200e-003	0.7253	0.0104	0.7357	0.1794	9.5400e-003	0.1889		203.0156	203.0156	1.4700e-003		203.0464
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	0.2223	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.3708</b>	<b>0.8409</b>	<b>1.2628</b>	<b>3.2900e-003</b>	<b>0.8321</b>	<b>0.0112</b>	<b>0.8433</b>	<b>0.2077</b>	<b>0.0103</b>	<b>0.2180</b>		<b>309.0529</b>	<b>309.0529</b>	<b>7.1300e-003</b>		<b>309.2025</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

Acres of Grading: 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			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>1.5908</b>	<b>1.5116</b>	<b>3.1024</b>	<b>0.1718</b>	<b>1.3907</b>	<b>1.5625</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

Acres of Grading: 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1368	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.1368</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</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					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	2.6967	30.7955	18.0434	0.0238		1.5103	1.5103		1.3894	1.3894	0.0000	2,477.8247	2,477.8247	0.7474		2,493.5201
<b>Total</b>	<b>2.6967</b>	<b>30.7955</b>	<b>18.0434</b>	<b>0.0238</b>	<b>0.6204</b>	<b>1.5103</b>	<b>2.1306</b>	<b>0.0670</b>	<b>1.3894</b>	<b>1.4564</b>	<b>0.0000</b>	<b>2,477.8247</b>	<b>2,477.8247</b>	<b>0.7474</b>		<b>2,493.5201</b>

### 3.3 Site Preparation - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1368	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.1368</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</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					6.1016	0.0000	6.1016	3.3188	0.0000	3.3188			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>6.1016</b>	<b>1.6671</b>	<b>7.7687</b>	<b>3.3188</b>	<b>1.5337</b>	<b>4.8526</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	4.0781	21.4497	19.1627	0.0554	1.2920	0.2847	1.5767	0.3538	0.2619	0.6157		5,575.4108	5,575.4108	0.0403		5,576.2569
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	0.1710	0.0460	0.4346	9.8000e-004	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		81.5671	81.5671	4.3500e-003		81.6585
<b>Total</b>	<b>4.2491</b>	<b>21.4957</b>	<b>19.5974</b>	<b>0.0564</b>	<b>1.3742</b>	<b>0.2853</b>	<b>1.6595</b>	<b>0.3756</b>	<b>0.2625</b>	<b>0.6380</b>		<b>5,656.9779</b>	<b>5,656.9779</b>	<b>0.0446</b>		<b>5,657.9154</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					2.3796	0.0000	2.3796	1.2943	0.0000	1.2943			0.0000			0.0000
Off-Road	2.8504	29.9195	19.6165	0.0205		1.6656	1.6656		1.5323	1.5323	0.0000	2,137.3115	2,137.3115	0.6447		2,150.8500
<b>Total</b>	<b>2.8504</b>	<b>29.9195</b>	<b>19.6165</b>	<b>0.0205</b>	<b>2.3796</b>	<b>1.6656</b>	<b>4.0452</b>	<b>1.2943</b>	<b>1.5323</b>	<b>2.8267</b>	<b>0.0000</b>	<b>2,137.3115</b>	<b>2,137.3115</b>	<b>0.6447</b>		<b>2,150.8500</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	4.0781	21.4497	19.1627	0.0554	39.5255	0.2847	39.8102	9.7384	0.2619	10.0002		5,575.4108	5,575.4108	0.0403		5,576.2569
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	0.1710	0.0460	0.4346	9.8000e-004	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		81.5671	81.5671	4.3500e-003		81.6585
<b>Total</b>	<b>4.2491</b>	<b>21.4957</b>	<b>19.5974</b>	<b>0.0564</b>	<b>39.6077</b>	<b>0.2853</b>	<b>39.8930</b>	<b>9.7602</b>	<b>0.2625</b>	<b>10.0226</b>		<b>5,656.9779</b>	<b>5,656.9779</b>	<b>0.0446</b>		<b>5,657.9154</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction On-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6984	24.6320	16.7166	0.0249		1.6257	1.6257		1.5569	1.5569		2,352.2239	2,352.2239	0.5420		2,363.6057
<b>Total</b>	<b>3.6984</b>	<b>24.6320</b>	<b>16.7166</b>	<b>0.0249</b>		<b>1.6257</b>	<b>1.6257</b>		<b>1.5569</b>	<b>1.5569</b>		<b>2,352.2239</b>	<b>2,352.2239</b>	<b>0.5420</b>		<b>2,363.6057</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3643	1.5531	2.3954	3.7900e-003	0.1062	0.0232	0.1294	0.0303	0.0213	0.0516		378.8147	378.8147	3.0200e-003			378.8783
Worker	0.6328	0.1703	1.6081	3.6200e-003	0.3040	2.2800e-003	0.3062	0.0806	2.1000e-003	0.0827		301.7984	301.7984	0.0161			302.1366
<b>Total</b>	<b>0.9970</b>	<b>1.7234</b>	<b>4.0035</b>	<b>7.4100e-003</b>	<b>0.4102</b>	<b>0.0255</b>	<b>0.4356</b>	<b>0.1109</b>	<b>0.0234</b>	<b>0.1343</b>		<b>680.6132</b>	<b>680.6132</b>	<b>0.0191</b>			<b>681.0148</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	3.6951	24.6094	16.7013	0.0249		1.6243	1.6243		1.5554	1.5554	0.0000	2,350.0658	2,350.0658	0.5415			2,361.4372
<b>Total</b>	<b>3.6951</b>	<b>24.6094</b>	<b>16.7013</b>	<b>0.0249</b>		<b>1.6243</b>	<b>1.6243</b>		<b>1.5554</b>	<b>1.5554</b>	<b>0.0000</b>	<b>2,350.0658</b>	<b>2,350.0658</b>	<b>0.5415</b>			<b>2,361.4372</b>

### 3.5 Building Construction - 2016

#### Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3643	1.5531	2.3954	3.7900e-003	0.1062	0.0232	0.1294	0.0303	0.0213	0.0516		378.8147	378.8147	3.0200e-003			378.8783
Worker	0.6328	0.1703	1.6081	3.6200e-003	0.3040	2.2800e-003	0.3062	0.0806	2.1000e-003	0.0827		301.7984	301.7984	0.0161			302.1366
<b>Total</b>	<b>0.9970</b>	<b>1.7234</b>	<b>4.0035</b>	<b>7.4100e-003</b>	<b>0.4102</b>	<b>0.0255</b>	<b>0.4356</b>	<b>0.1109</b>	<b>0.0234</b>	<b>0.1343</b>		<b>680.6132</b>	<b>680.6132</b>	<b>0.0191</b>			<b>681.0148</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

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3306	1.3881	2.2688	3.7800e-003	0.1062	0.0201	0.1263	0.0303	0.0185	0.0488		372.4062	372.4062	2.8600e-003		372.4663
Worker	0.5890	0.1548	1.4473	3.6100e-003	0.3040	2.2100e-003	0.3062	0.0806	2.0400e-003	0.0827		290.1348	290.1348	0.0149		290.4477
<b>Total</b>	<b>0.9196</b>	<b>1.5429</b>	<b>3.7161</b>	<b>7.3900e-003</b>	<b>0.4102</b>	<b>0.0223</b>	<b>0.4325</b>	<b>0.1109</b>	<b>0.0205</b>	<b>0.1315</b>		<b>662.5410</b>	<b>662.5410</b>	<b>0.0178</b>		<b>662.9140</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	3.3245	22.8375	16.2343	0.0249		1.4607	1.4607		1.3985	1.3985	0.0000	2,332.7082	2,332.7082	0.5185		2,343.5958
<b>Total</b>	<b>3.3245</b>	<b>22.8375</b>	<b>16.2343</b>	<b>0.0249</b>		<b>1.4607</b>	<b>1.4607</b>		<b>1.3985</b>	<b>1.3985</b>	<b>0.0000</b>	<b>2,332.7082</b>	<b>2,332.7082</b>	<b>0.5185</b>		<b>2,343.5958</b>

### 3.5 Building Construction - 2017

#### Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3306	1.3881	2.2688	3.7800e-003	0.1062	0.0201	0.1263	0.0303	0.0185	0.0488		372.4062	372.4062	2.8600e-003		372.4663
Worker	0.5890	0.1548	1.4473	3.6100e-003	0.3040	2.2100e-003	0.3062	0.0806	2.0400e-003	0.0827		290.1348	290.1348	0.0149		290.4477
<b>Total</b>	<b>0.9196</b>	<b>1.5429</b>	<b>3.7161</b>	<b>7.3900e-003</b>	<b>0.4102</b>	<b>0.0223</b>	<b>0.4325</b>	<b>0.1109</b>	<b>0.0205</b>	<b>0.1315</b>		<b>662.5410</b>	<b>662.5410</b>	<b>0.0178</b>		<b>662.9140</b>

### 3.6 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	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7581</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>

### 3.6 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	0.2388	0.0628	0.5868	1.4700e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		117.6222	117.6222	6.0400e-003		117.7491
<b>Total</b>	<b>0.2388</b>	<b>0.0628</b>	<b>0.5868</b>	<b>1.4700e-003</b>	<b>0.1232</b>	<b>9.0000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.3000e-004</b>	<b>0.0335</b>		<b>117.6222</b>	<b>117.6222</b>	<b>6.0400e-003</b>		<b>117.7491</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	1.6386	16.4468	12.0455	0.0176		1.0221	1.0221		0.9415	0.9415	0.0000	1,775.8438	1,775.8438	0.5339		1,787.0555
Paving	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7565</b>	<b>16.4468</b>	<b>12.0455</b>	<b>0.0176</b>		<b>1.0221</b>	<b>1.0221</b>		<b>0.9415</b>	<b>0.9415</b>	<b>0.0000</b>	<b>1,775.8438</b>	<b>1,775.8438</b>	<b>0.5339</b>		<b>1,787.0555</b>

### 3.6 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	0.2388	0.0628	0.5868	1.4700e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		117.6222	117.6222	6.0400e-003		117.7491
<b>Total</b>	<b>0.2388</b>	<b>0.0628</b>	<b>0.5868</b>	<b>1.4700e-003</b>	<b>0.1232</b>	<b>9.0000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.3000e-004</b>	<b>0.0335</b>		<b>117.6222</b>	<b>117.6222</b>	<b>6.0400e-003</b>		<b>117.7491</b>

### 3.7 Architectural Coating - 2017

#### Unmitigated Construction On-Site

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 115,575; Non-Residential Outdoor: 38,525

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	55.2696					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>55.6019</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>

### 3.7 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 115,575; Non-Residential Outdoor: 38,525**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1114	0.0293	0.2738	6.8000e-004	0.0575	4.2000e-004	0.0579	0.0153	3.9000e-004	0.0156		54.8904	54.8904	2.8200e-003		54.9496
<b>Total</b>	<b>0.1114</b>	<b>0.0293</b>	<b>0.2738</b>	<b>6.8000e-004</b>	<b>0.0575</b>	<b>4.2000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.9000e-004</b>	<b>0.0156</b>		<b>54.8904</b>	<b>54.8904</b>	<b>2.8200e-003</b>		<b>54.9496</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	55.2696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3320	2.1830	1.8664	2.9700e-003		0.1732	0.1732		0.1732	0.1732	0.0000	281.1898	281.1898	0.0297		281.8133
<b>Total</b>	<b>55.6016</b>	<b>2.1830</b>	<b>1.8664</b>	<b>2.9700e-003</b>		<b>0.1732</b>	<b>0.1732</b>		<b>0.1732</b>	<b>0.1732</b>	<b>0.0000</b>	<b>281.1898</b>	<b>281.1898</b>	<b>0.0297</b>		<b>281.8133</b>

### 3.7 Architectural Coating - 2017

#### Mitigated Construction Off-Site

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 115,575; Non-Residential Outdoor: 38,525**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1114	0.0293	0.2738	6.8000e-004	0.0575	4.2000e-004	0.0579	0.0153	3.9000e-004	0.0156		54.8904	54.8904	2.8200e-003		54.9496
<b>Total</b>	<b>0.1114</b>	<b>0.0293</b>	<b>0.2738</b>	<b>6.8000e-004</b>	<b>0.0575</b>	<b>4.2000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.9000e-004</b>	<b>0.0156</b>		<b>54.8904</b>	<b>54.8904</b>	<b>2.8200e-003</b>		<b>54.9496</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	5.2828	4.0541	21.7788	0.0348	2.3788	0.0471	2.4260	0.6350	0.0434	0.6784		2,935.6161	2,935.6161	0.1352		2,938.4546
Unmitigated	5.2828	4.0541	21.7788	0.0348	2.3788	0.0471	2.4260	0.6350	0.0434	0.6784		2,935.6161	2,935.6161	0.1352		2,938.4546

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
Government (Civic Center)	906.00	0.00	0.00	803,028	803,028
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>906.00</b>	<b>0.00</b>	<b>0.00</b>	<b>803,028</b>	<b>803,028</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
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Government (Civic Center)	5.80	5.80	5.80	75.00	20.00	5.00	50	34	16
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

### 4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510423	0.073380	0.192408	0.132453	0.036550	0.005219	0.012745	0.022253	0.001862	0.002079	0.006550	0.000609	0.003468

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
NaturalGas Unmitigated	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979

### 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					
Government (Civic Center)	1869.65	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979
Parking Lot	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
Enclosed Parking Structure	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>0.0202</b>	<b>0.1833</b>	<b>0.1540</b>	<b>1.1000e-003</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>		<b>219.9592</b>	<b>219.9592</b>	<b>4.2200e-003</b>	<b>4.0300e-003</b>	<b>221.2979</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						
Parking Lot	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
Enclosed Parking Structure	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
Government (Civic Center)	1.86965	0.0202	0.1833	0.1540	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.9592	219.9592	4.2200e-003	4.0300e-003	221.2979	
<b>Total</b>		<b>0.0202</b>	<b>0.1833</b>	<b>0.1540</b>	<b>1.1000e-003</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>		<b>219.9592</b>	<b>219.9592</b>	<b>4.2200e-003</b>	<b>4.0300e-003</b>	<b>221.2979</b>	

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
Unmitigated	2.5552	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446

### 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	0.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
<b>Total</b>	<b>2.5552</b>	<b>1.9000e-004</b>	<b>0.0200</b>	<b>0.0000</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>0.0421</b>	<b>0.0421</b>	<b>1.2000e-004</b>		<b>0.0446</b>

#### 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	0.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0200	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0421	0.0421	1.2000e-004		0.0446
<b>Total</b>	<b>2.5552</b>	<b>1.9000e-004</b>	<b>0.0200</b>	<b>0.0000</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>0.0421</b>	<b>0.0421</b>	<b>1.2000e-004</b>		<b>0.0446</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

## 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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**Del Mar City Hall Relocation Site**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	0.01	1000sqft	0.00	10.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2016
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<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 - Temporary Structures No Building Construction only access improvements and placement of portables.

Construction Phase - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Demolition -

Vehicle Trips - Relocation of existing use.

Consumer Products - Relocation of existing use.

Area Coating - Relocation of existing use.

Landscape Equipment - Relocation of existing use.

Energy Use - Relocation of existing use.

Water And Wastewater - Relocation of existing use.

Solid Waste - Relocation of existing use.

Construction Off-road Equipment Mitigation - Standard dust control and CARB's In-use Off-Road Regulations

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
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	4.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	1/5/2016	1/4/2016
tblConstructionPhase	PhaseStartDate	1/5/2016	1/4/2016
tblEnergyUse	LightingElect	4.33	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	T24E	5.69	0.00
tblEnergyUse	T24NG	16.83	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblSolidWaste	SolidWasteGenerationRate	28.50	0.00
tblVehicleTrips	WD_TR	27.92	0.00
tblWater	OutdoorWaterUseRate	608,795.81	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	1.3524	10.3512	8.3552	0.0125	0.6159	0.7864	1.4023	0.0777	0.7512	0.8289	0.0000	1,228.5835	1,228.5835	0.2317	0.0000	1,233.4491
<b>Total</b>	<b>1.3524</b>	<b>10.3512</b>	<b>8.3552</b>	<b>0.0125</b>	<b>0.6159</b>	<b>0.7864</b>	<b>1.4023</b>	<b>0.0777</b>	<b>0.7512</b>	<b>0.8289</b>	<b>0.0000</b>	<b>1,228.5835</b>	<b>1,228.5835</b>	<b>0.2317</b>	<b>0.0000</b>	<b>1,233.4491</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	0.6040	10.2388	8.3079	0.0125	0.3133	0.4130	0.7263	0.0446	0.4130	0.4576	0.0000	1,227.5201	1,227.5201	0.2315	0.0000	1,232.3813
<b>Total</b>	<b>0.6040</b>	<b>10.2388</b>	<b>8.3079</b>	<b>0.0125</b>	<b>0.3133</b>	<b>0.4130</b>	<b>0.7263</b>	<b>0.0446</b>	<b>0.4130</b>	<b>0.4576</b>	<b>0.0000</b>	<b>1,227.5201</b>	<b>1,227.5201</b>	<b>0.2315</b>	<b>0.0000</b>	<b>1,232.3813</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>55.3390</b>	<b>1.0855</b>	<b>0.5666</b>	<b>0.0797</b>	<b>49.1314</b>	<b>47.4750</b>	<b>48.2025</b>	<b>42.6641</b>	<b>45.0248</b>	<b>44.8023</b>	<b>0.0000</b>	<b>0.0866</b>	<b>0.0866</b>	<b>0.0906</b>	<b>0.0000</b>	<b>0.0866</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2016	1/4/2016	5	1	
2	Site Preparation	Site Preparation	1/4/2016	1/4/2016	5	1	
3	Grading	Grading	1/5/2016	1/5/2016	5	1	
4	Paving	Paving	1/6/2016	1/6/2016	5	1	

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Site Preparation	Graders	0	8.00	174	0.41
Paving	Pavers	0	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	0	1.00	255	0.40
Grading	Rubber Tired Dozers	0	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**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	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Demolition - 2016**

**Unmitigated Construction On-Site**

**Acres of Grading: 0.5**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0199	0.0000	0.0199	3.0200e-003	0.0000	3.0200e-003			0.0000			0.0000
Off-Road	0.9020	7.0633	5.5847	8.5900e-003		0.5352	0.5352		0.5202	0.5202		835.4236	835.4236	0.1306		838.1659
<b>Total</b>	<b>0.9020</b>	<b>7.0633</b>	<b>5.5847</b>	<b>8.5900e-003</b>	<b>0.0199</b>	<b>0.5352</b>	<b>0.5552</b>	<b>3.0200e-003</b>	<b>0.5202</b>	<b>0.5232</b>		<b>835.4236</b>	<b>835.4236</b>	<b>0.1306</b>		<b>838.1659</b>

### 3.2 Demolition - 2016

#### Unmitigated Construction Off-Site

Acres of Grading: 0.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0686	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723
<b>Total</b>	<b>0.0686</b>	<b>0.0205</b>	<b>0.2237</b>	<b>5.2000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>43.4266</b>	<b>43.4266</b>	<b>2.1800e-003</b>		<b>43.4723</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					8.9700e-003	0.0000	8.9700e-003	1.3600e-003	0.0000	1.3600e-003			0.0000			0.0000
Off-Road	0.3487	7.2021	5.6100	8.5800e-003		0.2911	0.2911		0.2911	0.2911	0.0000	834.6572	834.6572	0.1305		837.3969
<b>Total</b>	<b>0.3487</b>	<b>7.2021</b>	<b>5.6100</b>	<b>8.5800e-003</b>	<b>8.9700e-003</b>	<b>0.2911</b>	<b>0.3001</b>	<b>1.3600e-003</b>	<b>0.2911</b>	<b>0.2925</b>	<b>0.0000</b>	<b>834.6572</b>	<b>834.6572</b>	<b>0.1305</b>		<b>837.3969</b>

### 3.2 Demolition - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 0.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0686	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723
<b>Total</b>	<b>0.0686</b>	<b>0.0205</b>	<b>0.2237</b>	<b>5.2000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>43.4266</b>	<b>43.4266</b>	<b>2.1800e-003</b>		<b>43.4723</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306		323.6773	323.6773	0.0976		325.7276
<b>Total</b>	<b>0.3406</b>	<b>3.2551</b>	<b>2.4126</b>	<b>3.1100e-003</b>	<b>0.5303</b>	<b>0.2506</b>	<b>0.7809</b>	<b>0.0573</b>	<b>0.2306</b>	<b>0.2878</b>		<b>323.6773</b>	<b>323.6773</b>	<b>0.0976</b>		<b>325.7276</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0412	0.0123	0.1342	3.1000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		26.0560	26.0560	1.3100e-003		26.0834
<b>Total</b>	<b>0.0412</b>	<b>0.0123</b>	<b>0.1342</b>	<b>3.1000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>26.0560</b>	<b>26.0560</b>	<b>1.3100e-003</b>		<b>26.0834</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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1455	3.0040	2.3399	3.1100e-003		0.1214	0.1214		0.1214	0.1214	0.0000	323.3803	323.3803	0.0975		325.4287
<b>Total</b>	<b>0.1455</b>	<b>3.0040</b>	<b>2.3399</b>	<b>3.1100e-003</b>	<b>0.2386</b>	<b>0.1214</b>	<b>0.3600</b>	<b>0.0258</b>	<b>0.1214</b>	<b>0.1472</b>	<b>0.0000</b>	<b>323.3803</b>	<b>323.3803</b>	<b>0.0975</b>		<b>325.4287</b>

### 3.3 Site Preparation - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0412	0.0123	0.1342	3.1000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		26.0560	26.0560	1.3100e-003		26.0834
<b>Total</b>	<b>0.0412</b>	<b>0.0123</b>	<b>0.1342</b>	<b>3.1000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>26.0560</b>	<b>26.0560</b>	<b>1.3100e-003</b>		<b>26.0834</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2554	2.4413	1.8095	2.3400e-003		0.1880	0.1880		0.1729	0.1729		242.7580	242.7580	0.0732		244.2957
<b>Total</b>	<b>0.2554</b>	<b>2.4413</b>	<b>1.8095</b>	<b>2.3400e-003</b>	<b>0.0000</b>	<b>0.1880</b>	<b>0.1880</b>	<b>0.0000</b>	<b>0.1729</b>	<b>0.1729</b>		<b>242.7580</b>	<b>242.7580</b>	<b>0.0732</b>		<b>244.2957</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	0.0000	0.0000	0.0000	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	0.0412	0.0123	0.1342	3.1000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		26.0560	26.0560	1.3100e-003		26.0834
<b>Total</b>	<b>0.0412</b>	<b>0.0123</b>	<b>0.1342</b>	<b>3.1000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>26.0560</b>	<b>26.0560</b>	<b>1.3100e-003</b>		<b>26.0834</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1091	2.2530	1.7549	2.3300e-003		0.0911	0.0911		0.0911	0.0911	0.0000	242.5352	242.5352	0.0732		244.0715
<b>Total</b>	<b>0.1091</b>	<b>2.2530</b>	<b>1.7549</b>	<b>2.3300e-003</b>	<b>0.0000</b>	<b>0.0911</b>	<b>0.0911</b>	<b>0.0000</b>	<b>0.0911</b>	<b>0.0911</b>	<b>0.0000</b>	<b>242.5352</b>	<b>242.5352</b>	<b>0.0732</b>		<b>244.0715</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	0.0000	0.0000	0.0000	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	0.0412	0.0123	0.1342	3.1000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		26.0560	26.0560	1.3100e-003		26.0834
<b>Total</b>	<b>0.0412</b>	<b>0.0123</b>	<b>0.1342</b>	<b>3.1000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>26.0560</b>	<b>26.0560</b>	<b>1.3100e-003</b>		<b>26.0834</b>

### 3.5 Paving - 2016

#### Unmitigated Construction On-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6369	5.8487	4.1041	5.5500e-003		0.4310	0.4310		0.3974	0.3974		559.5231	559.5231	0.1613		562.9100
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6369</b>	<b>5.8487</b>	<b>4.1041</b>	<b>5.5500e-003</b>		<b>0.4310</b>	<b>0.4310</b>		<b>0.3974</b>	<b>0.3974</b>		<b>559.5231</b>	<b>559.5231</b>	<b>0.1613</b>		<b>562.9100</b>

### 3.5 Paving - 2016

#### Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1098	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.1098</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</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	0.2351	4.8548	3.7817	5.5400e-003		0.1962	0.1962		0.1962	0.1962	0.0000	559.0098	559.0098	0.1611		562.3935
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2351</b>	<b>4.8548</b>	<b>3.7817</b>	<b>5.5400e-003</b>		<b>0.1962</b>	<b>0.1962</b>		<b>0.1962</b>	<b>0.1962</b>	<b>0.0000</b>	<b>559.0098</b>	<b>559.0098</b>	<b>0.1611</b>		<b>562.3935</b>

### 3.5 Paving - 2016

#### Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1098	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.1098</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16

### 4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510118	0.073510	0.192396	0.133166	0.036737	0.005265	0.012605	0.021642	0.001847	0.002083	0.006548	0.000610	0.003471

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

### 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					
Government (Civic Center)	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>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

#### 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					
Government (Civic Center)	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>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

### 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 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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**Del Mar City Hall Relocation Site**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	0.01	1000sqft	0.00	10.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2016
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<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 - Temporary Structures No Building Construction only access improvements and placement of portables.

Construction Phase - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Off-road Equipment - Temporary Structures No Building Construction only access improvements and placement of portables.

Demolition -

Vehicle Trips - Relocation of existing use.

Consumer Products - Relocation of existing use.

Area Coating - Relocation of existing use.

Landscape Equipment - Relocation of existing use.

Energy Use - Relocation of existing use.

Water And Wastewater - Relocation of existing use.

Solid Waste - Relocation of existing use.

Construction Off-road Equipment Mitigation - Standard dust control and CARB's In-use Off-Road Regulations

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
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	4.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	1/5/2016	1/4/2016
tblConstructionPhase	PhaseStartDate	1/5/2016	1/4/2016
tblEnergyUse	LightingElect	4.33	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	T24E	5.69	0.00
tblEnergyUse	T24NG	16.83	0.00
tblGrading	AcresOfGrading	0.00	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblSolidWaste	SolidWasteGenerationRate	28.50	0.00
tblVehicleTrips	WD_TR	27.92	0.00
tblWater	OutdoorWaterUseRate	608,795.81	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	1.3794	10.3552	8.3450	0.0125	0.6159	0.7864	1.4023	0.0777	0.7512	0.8289	0.0000	1,224.3546	1,224.3546	0.2317	0.0000	1,229.2203
<b>Total</b>	<b>1.3794</b>	<b>10.3552</b>	<b>8.3450</b>	<b>0.0125</b>	<b>0.6159</b>	<b>0.7864</b>	<b>1.4023</b>	<b>0.0777</b>	<b>0.7512</b>	<b>0.8289</b>	<b>0.0000</b>	<b>1,224.3546</b>	<b>1,224.3546</b>	<b>0.2317</b>	<b>0.0000</b>	<b>1,229.2203</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	0.6310	10.2429	8.2977	0.0125	0.3133	0.4130	0.7263	0.0446	0.4130	0.4576	0.0000	1,223.2912	1,223.2912	0.2315	0.0000	1,228.1525
<b>Total</b>	<b>0.6310</b>	<b>10.2429</b>	<b>8.2977</b>	<b>0.0125</b>	<b>0.3133</b>	<b>0.4130</b>	<b>0.7263</b>	<b>0.0446</b>	<b>0.4130</b>	<b>0.4576</b>	<b>0.0000</b>	<b>1,223.2912</b>	<b>1,223.2912</b>	<b>0.2315</b>	<b>0.0000</b>	<b>1,228.1525</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>54.2555</b>	<b>1.0850</b>	<b>0.5673</b>	<b>0.0801</b>	<b>49.1314</b>	<b>47.4750</b>	<b>48.2025</b>	<b>42.6641</b>	<b>45.0248</b>	<b>44.8023</b>	<b>0.0000</b>	<b>0.0869</b>	<b>0.0869</b>	<b>0.0906</b>	<b>0.0000</b>	<b>0.0869</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2016	1/4/2016	5	1	
2	Site Preparation	Site Preparation	1/4/2016	1/4/2016	5	1	
3	Grading	Grading	1/5/2016	1/5/2016	5	1	
4	Paving	Paving	1/6/2016	1/6/2016	5	1	

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Site Preparation	Graders	0	8.00	174	0.41
Paving	Pavers	0	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	0	1.00	255	0.40
Grading	Rubber Tired Dozers	0	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**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	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Demolition - 2016**

**Unmitigated Construction On-Site**

**Acres of Grading: 0.5**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0199	0.0000	0.0199	3.0200e-003	0.0000	3.0200e-003			0.0000			0.0000
Off-Road	0.9020	7.0633	5.5847	8.5900e-003		0.5352	0.5352		0.5202	0.5202		835.4236	835.4236	0.1306		838.1659
<b>Total</b>	<b>0.9020</b>	<b>7.0633</b>	<b>5.5847</b>	<b>8.5900e-003</b>	<b>0.0199</b>	<b>0.5352</b>	<b>0.5552</b>	<b>3.0200e-003</b>	<b>0.5202</b>	<b>0.5232</b>		<b>835.4236</b>	<b>835.4236</b>	<b>0.1306</b>		<b>838.1659</b>

### 3.2 Demolition - 2016

#### Unmitigated Construction Off-Site

Acres of Grading: 0.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0855	0.0230	0.2173	4.9000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		40.7836	40.7836	2.1800e-003		40.8293
<b>Total</b>	<b>0.0855</b>	<b>0.0230</b>	<b>0.2173</b>	<b>4.9000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>40.7836</b>	<b>40.7836</b>	<b>2.1800e-003</b>		<b>40.8293</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					8.9700e-003	0.0000	8.9700e-003	1.3600e-003	0.0000	1.3600e-003			0.0000			0.0000
Off-Road	0.3487	7.2021	5.6100	8.5800e-003		0.2911	0.2911		0.2911	0.2911	0.0000	834.6572	834.6572	0.1305		837.3969
<b>Total</b>	<b>0.3487</b>	<b>7.2021</b>	<b>5.6100</b>	<b>8.5800e-003</b>	<b>8.9700e-003</b>	<b>0.2911</b>	<b>0.3001</b>	<b>1.3600e-003</b>	<b>0.2911</b>	<b>0.2925</b>	<b>0.0000</b>	<b>834.6572</b>	<b>834.6572</b>	<b>0.1305</b>		<b>837.3969</b>

### 3.2 Demolition - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 0.5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0855	0.0230	0.2173	4.9000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		40.7836	40.7836	2.1800e-003		40.8293
<b>Total</b>	<b>0.0855</b>	<b>0.0230</b>	<b>0.2173</b>	<b>4.9000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>40.7836</b>	<b>40.7836</b>	<b>2.1800e-003</b>		<b>40.8293</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306		323.6773	323.6773	0.0976		325.7276
<b>Total</b>	<b>0.3406</b>	<b>3.2551</b>	<b>2.4126</b>	<b>3.1100e-003</b>	<b>0.5303</b>	<b>0.2506</b>	<b>0.7809</b>	<b>0.0573</b>	<b>0.2306</b>	<b>0.2878</b>		<b>323.6773</b>	<b>323.6773</b>	<b>0.0976</b>		<b>325.7276</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0513	0.0138	0.1304	2.9000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		24.4701	24.4701	1.3100e-003		24.4976
<b>Total</b>	<b>0.0513</b>	<b>0.0138</b>	<b>0.1304</b>	<b>2.9000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>24.4701</b>	<b>24.4701</b>	<b>1.3100e-003</b>		<b>24.4976</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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1455	3.0040	2.3399	3.1100e-003		0.1214	0.1214		0.1214	0.1214	0.0000	323.3803	323.3803	0.0975		325.4287
<b>Total</b>	<b>0.1455</b>	<b>3.0040</b>	<b>2.3399</b>	<b>3.1100e-003</b>	<b>0.2386</b>	<b>0.1214</b>	<b>0.3600</b>	<b>0.0258</b>	<b>0.1214</b>	<b>0.1472</b>	<b>0.0000</b>	<b>323.3803</b>	<b>323.3803</b>	<b>0.0975</b>		<b>325.4287</b>

### 3.3 Site Preparation - 2016

#### Mitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0513	0.0138	0.1304	2.9000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		24.4701	24.4701	1.3100e-003		24.4976
<b>Total</b>	<b>0.0513</b>	<b>0.0138</b>	<b>0.1304</b>	<b>2.9000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>24.4701</b>	<b>24.4701</b>	<b>1.3100e-003</b>		<b>24.4976</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2554	2.4413	1.8095	2.3400e-003		0.1880	0.1880		0.1729	0.1729		242.7580	242.7580	0.0732		244.2957
<b>Total</b>	<b>0.2554</b>	<b>2.4413</b>	<b>1.8095</b>	<b>2.3400e-003</b>	<b>0.0000</b>	<b>0.1880</b>	<b>0.1880</b>	<b>0.0000</b>	<b>0.1729</b>	<b>0.1729</b>		<b>242.7580</b>	<b>242.7580</b>	<b>0.0732</b>		<b>244.2957</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	0.0000	0.0000	0.0000	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	0.0513	0.0138	0.1304	2.9000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		24.4701	24.4701	1.3100e-003		24.4976
<b>Total</b>	<b>0.0513</b>	<b>0.0138</b>	<b>0.1304</b>	<b>2.9000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>24.4701</b>	<b>24.4701</b>	<b>1.3100e-003</b>		<b>24.4976</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1091	2.2530	1.7549	2.3300e-003		0.0911	0.0911		0.0911	0.0911	0.0000	242.5352	242.5352	0.0732		244.0715
<b>Total</b>	<b>0.1091</b>	<b>2.2530</b>	<b>1.7549</b>	<b>2.3300e-003</b>	<b>0.0000</b>	<b>0.0911</b>	<b>0.0911</b>	<b>0.0000</b>	<b>0.0911</b>	<b>0.0911</b>	<b>0.0000</b>	<b>242.5352</b>	<b>242.5352</b>	<b>0.0732</b>		<b>244.0715</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	0.0000	0.0000	0.0000	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	0.0513	0.0138	0.1304	2.9000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7100e-003		24.4701	24.4701	1.3100e-003		24.4976
<b>Total</b>	<b>0.0513</b>	<b>0.0138</b>	<b>0.1304</b>	<b>2.9000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.7000e-004</b>	<b>6.7100e-003</b>		<b>24.4701</b>	<b>24.4701</b>	<b>1.3100e-003</b>		<b>24.4976</b>

### 3.5 Paving - 2016

#### Unmitigated Construction On-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6369	5.8487	4.1041	5.5500e-003		0.4310	0.4310		0.3974	0.3974		559.5231	559.5231	0.1613		562.9100
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6369</b>	<b>5.8487</b>	<b>4.1041</b>	<b>5.5500e-003</b>		<b>0.4310</b>	<b>0.4310</b>		<b>0.3974</b>	<b>0.3974</b>		<b>559.5231</b>	<b>559.5231</b>	<b>0.1613</b>		<b>562.9100</b>

### 3.5 Paving - 2016

#### Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1368	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.1368</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</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	0.2351	4.8548	3.7817	5.5400e-003		0.1962	0.1962		0.1962	0.1962	0.0000	559.0098	559.0098	0.1611		562.3935
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2351</b>	<b>4.8548</b>	<b>3.7817</b>	<b>5.5400e-003</b>		<b>0.1962</b>	<b>0.1962</b>		<b>0.1962</b>	<b>0.1962</b>	<b>0.0000</b>	<b>559.0098</b>	<b>559.0098</b>	<b>0.1611</b>		<b>562.3935</b>

### 3.5 Paving - 2016

#### Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1368	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.1368</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

### 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
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16

### 4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510118	0.073510	0.192396	0.133166	0.036737	0.005265	0.012605	0.021642	0.001847	0.002083	0.006548	0.000610	0.003471

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

### 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					
Government (Civic Center)	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>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

#### 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					
Government (Civic Center)	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>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	2.1000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

## 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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>2.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 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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