

# ATTACHMENT 1

*Appendix A from SDGE Wind Interconnect PEA*



# Appendix A

## Air Quality and Greenhouse Gas Analysis



## **APPENDIX A**

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### Air Quality and Greenhouse Gas Analysis

# Appendix A

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# CalEEMod - Summer Construction Output

**SDG&E Wind Interconnect Construction**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric
User Defined Industrial	63	User Defined Unit

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Utility Company</b>	San Diego Gas & Electric
<b>Climate Zone</b>	13	<b>Precipitation Freq (Days)</b>	40		

**1.3 User Entered Comments**

- Project Characteristics -
- Land Use - Permant Land/ROW acreage
- Construction Phase - Construction Phases for Interconnection to Boulevard Substation
- Off-road Equipment - Based on equipment list/schedule provided by applicant
- Off-road Equipment - Based on equipment list/schedule provided by applicant
- Off-road Equipment - Based on equipment list/schedule provided by applicant
- Off-road Equipment - Based on equipment list/schedule provided by applicant



Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Other General Industrial Equipment represents helicopter with 500hp.

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Other General Industrial Equipment represents the tensioner

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - No offroad equipment for testing

Trips and VMT - Worker, Vendor (concrete and flatbed trucks), and Haul Trucks (material import, semi-trailers, and water trucks)

On-road Fugitive Dust - Paved road % based on info in project description

Grading - 7.3 acres disturbed and 1,930 CY import

## **2.0 Emissions Summary**

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## 2.1 Overall Construction (Maximum Daily Emission)<sup>1</sup>

### 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					
2014	20.56	155.48	90.53	0.24	259.54	6.39	265.70	25.70	6.38	31.85	0.00	26,085.24	0.00	1.82	0.00	26,123.46
2015	8.52	61.26	29.04	0.11	150.84	2.25	153.09	14.94	2.25	17.18	0.00	11,790.95	0.00	0.76	0.00	11,806.83
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</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					
2014	20.56	155.48	90.53	0.24	4.17	6.39	10.55	1.50	6.38	7.88	0.00	26,085.24	0.00	1.82	0.00	26,123.46
2015	8.52	61.26	29.04	0.11	1.22	2.25	3.47	0.01	2.25	2.26	0.00	11,790.95	0.00	0.76	0.00	11,806.83
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

<sup>1</sup> Operational emissions were calculated using construction phase inputs.

## 2.2 Overall Operational <sup>1</sup>

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

<sup>1</sup> Operational emissions were calculated using construction phase inputs.

## 3.0 Construction Detail

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Access Road, Pad and Pull Site Grading - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.17	0.00	6.17	3.31	0.00	3.31						0.00
Off-Road	10.16	78.20	41.78	0.10		3.63	3.63		3.63	3.63		10,592.74		0.90		10,611.74
<b>Total</b>	<b>10.16</b>	<b>78.20</b>	<b>41.78</b>	<b>0.10</b>	<b>6.17</b>	<b>3.63</b>	<b>9.80</b>	<b>3.31</b>	<b>3.63</b>	<b>6.94</b>		<b>10,592.74</b>		<b>0.90</b>		<b>10,611.74</b>

#### 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	0.01	0.13	0.06	0.00	40.06	0.01	40.06	3.97	0.00	3.97		22.02		0.00		22.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.09	0.10	1.00	0.00	23.08	0.01	23.09	2.29	0.01	2.29		163.87		0.01		164.08
<b>Total</b>	<b>0.10</b>	<b>0.23</b>	<b>1.06</b>	<b>0.00</b>	<b>63.14</b>	<b>0.02</b>	<b>63.15</b>	<b>6.26</b>	<b>0.01</b>	<b>6.26</b>		<b>185.89</b>		<b>0.01</b>		<b>186.11</b>

### 3.2 Access Road, Pad and Pull Site Grading - 2014

#### 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					2.78	0.00	2.78	1.49	0.00	1.49						0.00
Off-Road	10.16	78.20	41.78	0.10		3.63	3.63		3.63	3.63	0.00	10,592.74		0.90		10,611.74
<b>Total</b>	<b>10.16</b>	<b>78.20</b>	<b>41.78</b>	<b>0.10</b>	<b>2.78</b>	<b>3.63</b>	<b>6.41</b>	<b>1.49</b>	<b>3.63</b>	<b>5.12</b>	<b>0.00</b>	<b>10,592.74</b>		<b>0.90</b>		<b>10,611.74</b>

#### 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	0.01	0.13	0.06	0.00	0.32	0.01	0.32	0.00	0.00	0.00		22.02		0.00		22.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.09	0.10	1.00	0.00	0.19	0.01	0.20	0.00	0.01	0.01		163.87		0.01		164.08
<b>Total</b>	<b>0.10</b>	<b>0.23</b>	<b>1.06</b>	<b>0.00</b>	<b>0.51</b>	<b>0.02</b>	<b>0.52</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>185.89</b>		<b>0.01</b>		<b>186.11</b>

### 3.3 Grading Erosion Control - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.47	19.10	7.35	0.03		0.68	0.68		0.68	0.68		3,262.07		0.22		3,266.65
<b>Total</b>	<b>2.47</b>	<b>19.10</b>	<b>7.35</b>	<b>0.03</b>		<b>0.68</b>	<b>0.68</b>		<b>0.68</b>	<b>0.68</b>		<b>3,262.07</b>		<b>0.22</b>		<b>3,266.65</b>

#### 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	0.02	0.24	0.10	0.00	20.03	0.01	20.04	1.98	0.01	1.99		40.37		0.00		40.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.05	0.50	0.00	11.54	0.00	11.54	1.14	0.00	1.15		81.94		0.00		82.04
<b>Total</b>	<b>0.06</b>	<b>0.29</b>	<b>0.60</b>	<b>0.00</b>	<b>31.57</b>	<b>0.01</b>	<b>31.58</b>	<b>3.12</b>	<b>0.01</b>	<b>3.14</b>		<b>122.31</b>		<b>0.00</b>		<b>122.43</b>

### 3.3 Grading Erosion Control - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.47	19.10	7.35	0.03		0.68	0.68		0.68	0.68	0.00	3,262.07		0.22		3,266.65
<b>Total</b>	<b>2.47</b>	<b>19.10</b>	<b>7.35</b>	<b>0.03</b>		<b>0.68</b>	<b>0.68</b>		<b>0.68</b>	<b>0.68</b>	<b>0.00</b>	<b>3,262.07</b>		<b>0.22</b>		<b>3,266.65</b>

#### 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	0.02	0.24	0.10	0.00	0.16	0.01	0.17	0.00	0.01	0.01		40.37		0.00		40.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.05	0.50	0.00	0.10	0.00	0.10	0.00	0.00	0.00		81.94		0.00		82.04
<b>Total</b>	<b>0.06</b>	<b>0.29</b>	<b>0.60</b>	<b>0.00</b>	<b>0.26</b>	<b>0.01</b>	<b>0.27</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>122.31</b>		<b>0.00</b>		<b>122.43</b>

### 3.4 Auger Foundation (standard) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.17	28.86	26.28	0.05		1.41	1.41		1.41	1.41		4,964.61		0.28		4,970.54
<b>Total</b>	<b>3.17</b>	<b>28.86</b>	<b>26.28</b>	<b>0.05</b>		<b>1.41</b>	<b>1.41</b>		<b>1.41</b>	<b>1.41</b>		<b>4,964.61</b>		<b>0.28</b>		<b>4,970.54</b>

#### 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	0.00	0.05	0.02	0.00	20.03	0.00	20.03	1.98	0.00	1.98		8.29		0.00		8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.07	0.08	0.81	0.00	18.75	0.01	18.76	1.86	0.01	1.86		133.15		0.01		133.32
<b>Total</b>	<b>0.07</b>	<b>0.13</b>	<b>0.83</b>	<b>0.00</b>	<b>38.78</b>	<b>0.01</b>	<b>38.79</b>	<b>3.84</b>	<b>0.01</b>	<b>3.84</b>		<b>141.44</b>		<b>0.01</b>		<b>141.62</b>



### 3.4 Auger Foundation (standard) - 2014

#### 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	3.17	28.86	26.28	0.05		1.41	1.41		1.41	1.41	0.00	4,964.61		0.28		4,970.54
<b>Total</b>	<b>3.17</b>	<b>28.86</b>	<b>26.28</b>	<b>0.05</b>		<b>1.41</b>	<b>1.41</b>		<b>1.41</b>	<b>1.41</b>	<b>0.00</b>	<b>4,964.61</b>		<b>0.28</b>		<b>4,970.54</b>

#### 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	0.00	0.05	0.02	0.00	0.16	0.00	0.16	0.00	0.00	0.00		8.29		0.00		8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.07	0.08	0.81	0.00	0.15	0.01	0.16	0.00	0.01	0.01		133.15		0.01		133.32
<b>Total</b>	<b>0.07</b>	<b>0.13</b>	<b>0.83</b>	<b>0.00</b>	<b>0.31</b>	<b>0.01</b>	<b>0.32</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>141.44</b>		<b>0.01</b>		<b>141.62</b>

### 3.5 Auger Foundation (micropile) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.64	14.86	11.80	0.03		0.63	0.63		0.63	0.63		2,626.99		0.15		2,630.05
<b>Total</b>	<b>1.64</b>	<b>14.86</b>	<b>11.80</b>	<b>0.03</b>		<b>0.63</b>	<b>0.63</b>		<b>0.63</b>	<b>0.63</b>		<b>2,626.99</b>		<b>0.15</b>		<b>2,630.05</b>

#### 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	0.00	0.05	0.02	0.00	20.03	0.00	20.03	1.98	0.00	1.98		8.29		0.00		8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.07	0.08	0.81	0.00	18.75	0.01	18.76	1.86	0.01	1.86		133.15		0.01		133.32
<b>Total</b>	<b>0.07</b>	<b>0.13</b>	<b>0.83</b>	<b>0.00</b>	<b>38.78</b>	<b>0.01</b>	<b>38.79</b>	<b>3.84</b>	<b>0.01</b>	<b>3.84</b>		<b>141.44</b>		<b>0.01</b>		<b>141.62</b>

### 3.5 Auger Foundation (micropile) - 2014

#### 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	1.64	14.86	11.80	0.03		0.63	0.63		0.63	0.63	0.00	2,626.99		0.15		2,630.05
<b>Total</b>	<b>1.64</b>	<b>14.86</b>	<b>11.80</b>	<b>0.03</b>		<b>0.63</b>	<b>0.63</b>		<b>0.63</b>	<b>0.63</b>	<b>0.00</b>	<b>2,626.99</b>		<b>0.15</b>		<b>2,630.05</b>

#### 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	0.00	0.05	0.02	0.00	0.16	0.00	0.16	0.00	0.00	0.00		8.29		0.00		8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.07	0.08	0.81	0.00	0.15	0.01	0.16	0.00	0.01	0.01		133.15		0.01		133.32
<b>Total</b>	<b>0.07</b>	<b>0.13</b>	<b>0.83</b>	<b>0.00</b>	<b>0.31</b>	<b>0.01</b>	<b>0.32</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>141.44</b>		<b>0.01</b>		<b>141.62</b>

### 3.6 Install Foundation (standard) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.03	46.26	18.54	0.07		1.71	1.71		1.71	1.71		7,818.04		0.53		7,829.20
<b>Total</b>	<b>6.03</b>	<b>46.26</b>	<b>18.54</b>	<b>0.07</b>		<b>1.71</b>	<b>1.71</b>		<b>1.71</b>	<b>1.71</b>		<b>7,818.04</b>		<b>0.53</b>		<b>7,829.20</b>

#### 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	0.00	0.05	0.02	0.00	20.03	0.00	20.03	1.98	0.00	1.98		8.29		0.00		8.30
Vendor	0.03	0.32	0.18	0.00	1.95	0.01	1.96	0.19	0.01	0.20		54.61		0.00		54.64
Worker	0.04	0.05	0.50	0.00	11.54	0.00	11.54	1.14	0.00	1.15		81.94		0.00		82.04
<b>Total</b>	<b>0.07</b>	<b>0.42</b>	<b>0.70</b>	<b>0.00</b>	<b>33.52</b>	<b>0.01</b>	<b>33.53</b>	<b>3.31</b>	<b>0.01</b>	<b>3.33</b>		<b>144.84</b>		<b>0.00</b>		<b>144.98</b>

### 3.6 Install Foundation (standard) - 2014

#### 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	6.03	46.26	18.54	0.07		1.71	1.71		1.71	1.71	0.00	7,818.04		0.53		7,829.20
<b>Total</b>	<b>6.03</b>	<b>46.26</b>	<b>18.54</b>	<b>0.07</b>		<b>1.71</b>	<b>1.71</b>		<b>1.71</b>	<b>1.71</b>	<b>0.00</b>	<b>7,818.04</b>		<b>0.53</b>		<b>7,829.20</b>

#### 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	0.00	0.05	0.02	0.00	0.16	0.00	0.16	0.00	0.00	0.00		8.29		0.00		8.30
Vendor	0.03	0.32	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.61		0.00		54.64
Worker	0.04	0.05	0.50	0.00	0.10	0.00	0.10	0.00	0.00	0.00		81.94		0.00		82.04
<b>Total</b>	<b>0.07</b>	<b>0.42</b>	<b>0.70</b>	<b>0.00</b>	<b>0.28</b>	<b>0.01</b>	<b>0.29</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>144.84</b>		<b>0.00</b>		<b>144.98</b>

### 3.7 Install Foundation (micropile) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.58	18.61	10.15	0.02		1.05	1.05		1.05	1.05		2,629.17		0.23		2,633.98
<b>Total</b>	<b>2.58</b>	<b>18.61</b>	<b>10.15</b>	<b>0.02</b>		<b>1.05</b>	<b>1.05</b>		<b>1.05</b>	<b>1.05</b>		<b>2,629.17</b>		<b>0.23</b>		<b>2,633.98</b>

#### 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	0.00	0.05	0.02	0.00	20.03	0.00	20.03	1.98	0.00	1.98		8.29		0.00		8.30
Vendor	0.01	0.16	0.09	0.00	0.98	0.01	0.98	0.10	0.00	0.10		27.30		0.00		27.32
Worker	0.08	0.09	0.94	0.00	21.64	0.01	21.64	2.14	0.01	2.15		153.63		0.01		153.83
<b>Total</b>	<b>0.09</b>	<b>0.30</b>	<b>1.05</b>	<b>0.00</b>	<b>42.65</b>	<b>0.02</b>	<b>42.65</b>	<b>4.22</b>	<b>0.01</b>	<b>4.23</b>		<b>189.22</b>		<b>0.01</b>		<b>189.45</b>

### 3.7 Install Foundation (micropile) - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.58	18.61	10.15	0.02		1.05	1.05		1.05	1.05	0.00	2,629.17		0.23		2,633.98
<b>Total</b>	<b>2.58</b>	<b>18.61</b>	<b>10.15</b>	<b>0.02</b>		<b>1.05</b>	<b>1.05</b>		<b>1.05</b>	<b>1.05</b>	<b>0.00</b>	<b>2,629.17</b>		<b>0.23</b>		<b>2,633.98</b>

#### 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	0.00	0.05	0.02	0.00	0.16	0.00	0.16	0.00	0.00	0.00		8.29		0.00		8.30
Vendor	0.01	0.16	0.09	0.00	0.01	0.01	0.01	0.00	0.00	0.01		27.30		0.00		27.32
Worker	0.08	0.09	0.94	0.00	0.18	0.01	0.19	0.00	0.01	0.01		153.63		0.01		153.83
<b>Total</b>	<b>0.09</b>	<b>0.30</b>	<b>1.05</b>	<b>0.00</b>	<b>0.35</b>	<b>0.02</b>	<b>0.36</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>189.22</b>		<b>0.01</b>		<b>189.45</b>

### 3.8 Install Steel Poles - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.04	16.36	6.02	0.02		0.58	0.58		0.58	0.58		2,622.54		0.18		2,626.32
<b>Total</b>	<b>2.04</b>	<b>16.36</b>	<b>6.02</b>	<b>0.02</b>		<b>0.58</b>	<b>0.58</b>		<b>0.58</b>	<b>0.58</b>		<b>2,622.54</b>		<b>0.18</b>		<b>2,626.32</b>

#### 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	0.00	0.05	0.02	0.00	20.03	0.00	20.03	1.98	0.00	1.98		8.29		0.00		8.30
Vendor	0.01	0.16	0.09	0.00	0.98	0.01	0.98	0.10	0.00	0.10		27.30		0.00		27.32
Worker	0.07	0.08	0.81	0.00	18.75	0.01	18.76	1.86	0.01	1.86		133.15		0.01		133.32
<b>Total</b>	<b>0.08</b>	<b>0.29</b>	<b>0.92</b>	<b>0.00</b>	<b>39.76</b>	<b>0.02</b>	<b>39.77</b>	<b>3.94</b>	<b>0.01</b>	<b>3.94</b>		<b>168.74</b>		<b>0.01</b>		<b>168.94</b>



### 3.8 Install Steel Poles - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.04	16.36	6.02	0.02		0.58	0.58		0.58	0.58	0.00	2,622.54		0.18		2,626.32
<b>Total</b>	<b>2.04</b>	<b>16.36</b>	<b>6.02</b>	<b>0.02</b>		<b>0.58</b>	<b>0.58</b>		<b>0.58</b>	<b>0.58</b>	<b>0.00</b>	<b>2,622.54</b>		<b>0.18</b>		<b>2,626.32</b>

#### 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	0.00	0.05	0.02	0.00	0.16	0.00	0.16	0.00	0.00	0.00		8.29		0.00		8.30
Vendor	0.01	0.16	0.09	0.00	0.01	0.01	0.01	0.00	0.00	0.01		27.30		0.00		27.32
Worker	0.07	0.08	0.81	0.00	0.15	0.01	0.16	0.00	0.01	0.01		133.15		0.01		133.32
<b>Total</b>	<b>0.08</b>	<b>0.29</b>	<b>0.92</b>	<b>0.00</b>	<b>0.32</b>	<b>0.02</b>	<b>0.33</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>168.74</b>		<b>0.01</b>		<b>168.94</b>

### 3.8 Install Steel Poles - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.93	14.62	5.83	0.02		0.52	0.52		0.52	0.52		2,622.54		0.17		2,626.12
<b>Total</b>	<b>1.93</b>	<b>14.62</b>	<b>5.83</b>	<b>0.02</b>		<b>0.52</b>	<b>0.52</b>		<b>0.52</b>	<b>0.52</b>		<b>2,622.54</b>		<b>0.17</b>		<b>2,626.12</b>

#### 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	0.00	0.04	0.02	0.00	20.03	0.00	20.03	1.98	0.00	1.98		8.31		0.00		8.31
Vendor	0.01	0.15	0.08	0.00	0.98	0.00	0.98	0.10	0.00	0.10		27.34		0.00		27.36
Worker	0.07	0.07	0.75	0.00	18.75	0.01	18.76	1.86	0.01	1.86		130.13		0.01		130.29
<b>Total</b>	<b>0.08</b>	<b>0.26</b>	<b>0.85</b>	<b>0.00</b>	<b>39.76</b>	<b>0.01</b>	<b>39.77</b>	<b>3.94</b>	<b>0.01</b>	<b>3.94</b>		<b>165.78</b>		<b>0.01</b>		<b>165.96</b>

### 3.8 Install Steel Poles - 2015

#### 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	1.93	14.62	5.83	0.02		0.52	0.52		0.52	0.52	0.00	2,622.54		0.17		2,626.12
<b>Total</b>	<b>1.93</b>	<b>14.62</b>	<b>5.83</b>	<b>0.02</b>		<b>0.52</b>	<b>0.52</b>		<b>0.52</b>	<b>0.52</b>	<b>0.00</b>	<b>2,622.54</b>		<b>0.17</b>		<b>2,626.12</b>

#### 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	0.00	0.04	0.02	0.00	0.16	0.00	0.16	0.00	0.00	0.00		8.31		0.00		8.31
Vendor	0.01	0.15	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00		27.34		0.00		27.36
Worker	0.07	0.07	0.75	0.00	0.15	0.01	0.16	0.00	0.01	0.01		130.13		0.01		130.29
<b>Total</b>	<b>0.08</b>	<b>0.26</b>	<b>0.85</b>	<b>0.00</b>	<b>0.32</b>	<b>0.01</b>	<b>0.33</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>165.78</b>		<b>0.01</b>		<b>165.96</b>

### 3.9 Install OH Conductor - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.32	17.75	7.78	0.03		0.70	0.70		0.70	0.70		2,829.59		0.20		2,833.88
<b>Total</b>	<b>2.32</b>	<b>17.75</b>	<b>7.78</b>	<b>0.03</b>		<b>0.70</b>	<b>0.70</b>		<b>0.70</b>	<b>0.70</b>		<b>2,829.59</b>		<b>0.20</b>		<b>2,833.88</b>

#### 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	0.01	0.08	0.04	0.00	20.03	0.00	20.03	1.98	0.00	1.99		13.76		0.00		13.77
Vendor	0.01	0.16	0.09	0.00	0.98	0.01	0.98	0.10	0.00	0.10		27.30		0.00		27.32
Worker	0.08	0.09	0.94	0.00	21.64	0.01	21.64	2.14	0.01	2.15		153.63		0.01		153.83
<b>Total</b>	<b>0.10</b>	<b>0.33</b>	<b>1.07</b>	<b>0.00</b>	<b>42.65</b>	<b>0.02</b>	<b>42.65</b>	<b>4.22</b>	<b>0.01</b>	<b>4.24</b>		<b>194.69</b>		<b>0.01</b>		<b>194.92</b>

### 3.9 Install OH Conductor - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.32	17.75	7.78	0.03		0.70	0.70		0.70	0.70	0.00	2,829.59		0.20		2,833.88
<b>Total</b>	<b>2.32</b>	<b>17.75</b>	<b>7.78</b>	<b>0.03</b>		<b>0.70</b>	<b>0.70</b>		<b>0.70</b>	<b>0.70</b>	<b>0.00</b>	<b>2,829.59</b>		<b>0.20</b>		<b>2,833.88</b>

#### 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	0.01	0.08	0.04	0.00	0.16	0.00	0.16	0.00	0.00	0.00		13.76		0.00		13.77
Vendor	0.01	0.16	0.09	0.00	0.01	0.01	0.01	0.00	0.00	0.01		27.30		0.00		27.32
Worker	0.08	0.09	0.94	0.00	0.18	0.01	0.19	0.00	0.01	0.01		153.63		0.01		153.83
<b>Total</b>	<b>0.10</b>	<b>0.33</b>	<b>1.07</b>	<b>0.00</b>	<b>0.35</b>	<b>0.02</b>	<b>0.36</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>194.69</b>		<b>0.01</b>		<b>194.92</b>

### 3.9 Install OH Conductor - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.18	15.82	7.61	0.03		0.63	0.63		0.63	0.63		2,829.59		0.19		2,833.65
<b>Total</b>	<b>2.18</b>	<b>15.82</b>	<b>7.61</b>	<b>0.03</b>		<b>0.63</b>	<b>0.63</b>		<b>0.63</b>	<b>0.63</b>		<b>2,829.59</b>		<b>0.19</b>		<b>2,833.65</b>

#### 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	0.01	0.07	0.03	0.00	20.03	0.00	20.03	1.98	0.00	1.99		13.79		0.00		13.79
Vendor	0.01	0.15	0.08	0.00	0.98	0.00	0.98	0.10	0.00	0.10		27.34		0.00		27.36
Worker	0.08	0.09	0.86	0.00	21.64	0.01	21.64	2.14	0.01	2.15		150.15		0.01		150.33
<b>Total</b>	<b>0.10</b>	<b>0.31</b>	<b>0.97</b>	<b>0.00</b>	<b>42.65</b>	<b>0.01</b>	<b>42.65</b>	<b>4.22</b>	<b>0.01</b>	<b>4.24</b>		<b>191.28</b>		<b>0.01</b>		<b>191.48</b>

### 3.9 Install OH Conductor - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.18	15.82	7.61	0.03		0.63	0.63		0.63	0.63	0.00	2,829.59		0.19		2,833.65
<b>Total</b>	<b>2.18</b>	<b>15.82</b>	<b>7.61</b>	<b>0.03</b>		<b>0.63</b>	<b>0.63</b>		<b>0.63</b>	<b>0.63</b>	<b>0.00</b>	<b>2,829.59</b>		<b>0.19</b>		<b>2,833.65</b>

#### 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	0.01	0.07	0.03	0.00	0.16	0.00	0.16	0.00	0.00	0.00		13.79		0.00		13.79
Vendor	0.01	0.15	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00		27.34		0.00		27.36
Worker	0.08	0.09	0.86	0.00	0.18	0.01	0.19	0.00	0.01	0.01		150.15		0.01		150.33
<b>Total</b>	<b>0.10</b>	<b>0.31</b>	<b>0.97</b>	<b>0.00</b>	<b>0.35</b>	<b>0.01</b>	<b>0.36</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>191.28</b>		<b>0.01</b>		<b>191.48</b>

### 3.10 Helicopter Transport - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.70	15.58	5.11	0.02		0.52	0.52		0.52	0.52		2,253.12		0.15		2,256.29
<b>Total</b>	<b>1.70</b>	<b>15.58</b>	<b>5.11</b>	<b>0.02</b>		<b>0.52</b>	<b>0.52</b>		<b>0.52</b>	<b>0.52</b>		<b>2,253.12</b>		<b>0.15</b>		<b>2,256.29</b>

#### 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	0.06	0.72	0.31	0.00	20.03	0.03	20.06	1.98	0.03	2.01		121.10		0.00		121.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	2.88	0.00	2.89	0.29	0.00	0.29		20.48		0.00		20.51
<b>Total</b>	<b>0.07</b>	<b>0.73</b>	<b>0.43</b>	<b>0.00</b>	<b>22.91</b>	<b>0.03</b>	<b>22.95</b>	<b>2.27</b>	<b>0.03</b>	<b>2.30</b>		<b>141.58</b>		<b>0.00</b>		<b>141.67</b>



### 3.10 Helicopter Transport - 2014

#### 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	1.70	15.58	5.11	0.02		0.52	0.52		0.52	0.52	0.00	2,253.12		0.15		2,256.29
<b>Total</b>	<b>1.70</b>	<b>15.58</b>	<b>5.11</b>	<b>0.02</b>		<b>0.52</b>	<b>0.52</b>		<b>0.52</b>	<b>0.52</b>	<b>0.00</b>	<b>2,253.12</b>		<b>0.15</b>		<b>2,256.29</b>

#### 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	0.06	0.72	0.31	0.00	0.16	0.03	0.19	0.00	0.03	0.03		121.10		0.00		121.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.02	0.00	0.02	0.00	0.00	0.00		20.48		0.00		20.51
<b>Total</b>	<b>0.07</b>	<b>0.73</b>	<b>0.43</b>	<b>0.00</b>	<b>0.18</b>	<b>0.03</b>	<b>0.21</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>141.58</b>		<b>0.00</b>		<b>141.67</b>

### 3.11 Install Duct Packages and Vaults - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.06	15.79	7.58	0.02		0.64	0.64		0.64	0.64		2,514.54		0.18		2,518.35
<b>Total</b>	<b>2.06</b>	<b>15.79</b>	<b>7.58</b>	<b>0.02</b>		<b>0.64</b>	<b>0.64</b>		<b>0.64</b>	<b>0.64</b>		<b>2,514.54</b>		<b>0.18</b>		<b>2,518.35</b>

#### 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	0.02	0.22	0.10	0.00	20.03	0.01	20.04	1.98	0.01	1.99		37.84		0.00		37.86
Vendor	0.03	0.32	0.18	0.00	1.95	0.01	1.96	0.19	0.01	0.20		54.61		0.00		54.64
Worker	0.08	0.09	0.94	0.00	21.64	0.01	21.64	2.14	0.01	2.15		153.63		0.01		153.83
<b>Total</b>	<b>0.13</b>	<b>0.63</b>	<b>1.22</b>	<b>0.00</b>	<b>43.62</b>	<b>0.03</b>	<b>43.64</b>	<b>4.31</b>	<b>0.03</b>	<b>4.34</b>		<b>246.08</b>		<b>0.01</b>		<b>246.33</b>

### 3.11 Install Duct Packages and Vaults - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.06	15.79	7.58	0.02		0.64	0.64		0.64	0.64	0.00	2,514.54		0.18		2,518.35
<b>Total</b>	<b>2.06</b>	<b>15.79</b>	<b>7.58</b>	<b>0.02</b>		<b>0.64</b>	<b>0.64</b>		<b>0.64</b>	<b>0.64</b>	<b>0.00</b>	<b>2,514.54</b>		<b>0.18</b>		<b>2,518.35</b>

#### 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	0.02	0.22	0.10	0.00	0.16	0.01	0.17	0.00	0.01	0.01		37.84		0.00		37.86
Vendor	0.03	0.32	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.61		0.00		54.64
Worker	0.08	0.09	0.94	0.00	0.18	0.01	0.19	0.00	0.01	0.01		153.63		0.01		153.83
<b>Total</b>	<b>0.13</b>	<b>0.63</b>	<b>1.22</b>	<b>0.00</b>	<b>0.36</b>	<b>0.03</b>	<b>0.39</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>246.08</b>		<b>0.01</b>		<b>246.33</b>

### 3.12 Foundation Erosion Control - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.47	19.10	7.35	0.03		0.68	0.68		0.68	0.68		3,262.07		0.22		3,266.65
<b>Total</b>	<b>2.47</b>	<b>19.10</b>	<b>7.35</b>	<b>0.03</b>		<b>0.68</b>	<b>0.68</b>		<b>0.68</b>	<b>0.68</b>		<b>3,262.07</b>		<b>0.22</b>		<b>3,266.65</b>

#### 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	0.02	0.24	0.10	0.00	20.03	0.01	20.04	1.98	0.01	1.99		40.37		0.00		40.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.04	0.37	0.00	8.65	0.00	8.66	0.86	0.00	0.86		61.45		0.00		61.53
<b>Total</b>	<b>0.05</b>	<b>0.28</b>	<b>0.47</b>	<b>0.00</b>	<b>28.68</b>	<b>0.01</b>	<b>28.70</b>	<b>2.84</b>	<b>0.01</b>	<b>2.85</b>		<b>101.82</b>		<b>0.00</b>		<b>101.92</b>

### 3.12 Foundation Erosion Control - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.47	19.10	7.35	0.03		0.68	0.68		0.68	0.68	0.00	3,262.07		0.22		3,266.65
<b>Total</b>	<b>2.47</b>	<b>19.10</b>	<b>7.35</b>	<b>0.03</b>		<b>0.68</b>	<b>0.68</b>		<b>0.68</b>	<b>0.68</b>	<b>0.00</b>	<b>3,262.07</b>		<b>0.22</b>		<b>3,266.65</b>

#### 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	0.02	0.24	0.10	0.00	0.16	0.01	0.17	0.00	0.01	0.01		40.37		0.00		40.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.04	0.37	0.00	0.07	0.00	0.07	0.00	0.00	0.00		61.45		0.00		61.53
<b>Total</b>	<b>0.05</b>	<b>0.28</b>	<b>0.47</b>	<b>0.00</b>	<b>0.23</b>	<b>0.01</b>	<b>0.24</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>101.82</b>		<b>0.00</b>		<b>101.92</b>

### 3.13 Structure Erosion Control - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.47	19.10	7.35	0.03		0.68	0.68		0.68	0.68		3,262.07		0.22		3,266.65
<b>Total</b>	<b>2.47</b>	<b>19.10</b>	<b>7.35</b>	<b>0.03</b>		<b>0.68</b>	<b>0.68</b>		<b>0.68</b>	<b>0.68</b>		<b>3,262.07</b>		<b>0.22</b>		<b>3,266.65</b>

#### 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	0.02	0.24	0.10	0.00	20.03	0.01	20.04	1.98	0.01	1.99		40.37		0.00		40.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.04	0.37	0.00	8.65	0.00	8.66	0.86	0.00	0.86		61.45		0.00		61.53
<b>Total</b>	<b>0.05</b>	<b>0.28</b>	<b>0.47</b>	<b>0.00</b>	<b>28.68</b>	<b>0.01</b>	<b>28.70</b>	<b>2.84</b>	<b>0.01</b>	<b>2.85</b>		<b>101.82</b>		<b>0.00</b>		<b>101.92</b>

### 3.13 Structure Erosion Control - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.47	19.10	7.35	0.03		0.68	0.68		0.68	0.68	0.00	3,262.07		0.22		3,266.65
<b>Total</b>	<b>2.47</b>	<b>19.10</b>	<b>7.35</b>	<b>0.03</b>		<b>0.68</b>	<b>0.68</b>		<b>0.68</b>	<b>0.68</b>	<b>0.00</b>	<b>3,262.07</b>		<b>0.22</b>		<b>3,266.65</b>

#### 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	0.02	0.24	0.10	0.00	0.16	0.01	0.17	0.00	0.01	0.01		40.37		0.00		40.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.04	0.37	0.00	0.07	0.00	0.07	0.00	0.00	0.00		61.45		0.00		61.53
<b>Total</b>	<b>0.05</b>	<b>0.28</b>	<b>0.47</b>	<b>0.00</b>	<b>0.23</b>	<b>0.01</b>	<b>0.24</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>101.82</b>		<b>0.00</b>		<b>101.92</b>

### 3.13 Structure Erosion Control - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.34	16.97	7.12	0.03		0.60	0.60		0.60	0.60		3,262.07		0.21		3,266.41
<b>Total</b>	<b>2.34</b>	<b>16.97</b>	<b>7.12</b>	<b>0.03</b>		<b>0.60</b>	<b>0.60</b>		<b>0.60</b>	<b>0.60</b>		<b>3,262.07</b>		<b>0.21</b>		<b>3,266.41</b>

#### 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	0.02	0.22	0.09	0.00	20.03	0.01	20.04	1.98	0.01	1.99		40.44		0.00		40.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.03	0.35	0.00	8.65	0.00	8.66	0.86	0.00	0.86		60.06		0.00		60.13
<b>Total</b>	<b>0.05</b>	<b>0.25</b>	<b>0.44</b>	<b>0.00</b>	<b>28.68</b>	<b>0.01</b>	<b>28.70</b>	<b>2.84</b>	<b>0.01</b>	<b>2.85</b>		<b>100.50</b>		<b>0.00</b>		<b>100.59</b>



### 3.13 Structure Erosion Control - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.34	16.97	7.12	0.03		0.60	0.60		0.60	0.60	0.00	3,262.07		0.21		3,266.41
<b>Total</b>	<b>2.34</b>	<b>16.97</b>	<b>7.12</b>	<b>0.03</b>		<b>0.60</b>	<b>0.60</b>		<b>0.60</b>	<b>0.60</b>	<b>0.00</b>	<b>3,262.07</b>		<b>0.21</b>		<b>3,266.41</b>

#### 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	0.02	0.22	0.09	0.00	0.16	0.01	0.17	0.00	0.01	0.01		40.44		0.00		40.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.03	0.35	0.00	0.07	0.00	0.07	0.00	0.00	0.00		60.06		0.00		60.13
<b>Total</b>	<b>0.05</b>	<b>0.25</b>	<b>0.44</b>	<b>0.00</b>	<b>0.23</b>	<b>0.01</b>	<b>0.24</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>100.50</b>		<b>0.00</b>		<b>100.59</b>

### 3.14 Install UG Conductors - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.86	14.32	5.51	0.02		0.51	0.51		0.51	0.51		2,446.55		0.16		2,449.99
<b>Total</b>	<b>1.86</b>	<b>14.32</b>	<b>5.51</b>	<b>0.02</b>		<b>0.51</b>	<b>0.51</b>		<b>0.51</b>	<b>0.51</b>		<b>2,446.55</b>		<b>0.16</b>		<b>2,449.99</b>

#### 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	0.01	0.09	0.04	0.00	20.03	0.00	20.03	1.98	0.00	1.99		15.14		0.00		15.14
Vendor	0.01	0.16	0.09	0.00	0.98	0.01	0.98	0.10	0.00	0.10		27.30		0.00		27.32
Worker	0.07	0.08	0.81	0.00	18.75	0.01	18.76	1.86	0.01	1.86		133.15		0.01		133.32
<b>Total</b>	<b>0.09</b>	<b>0.33</b>	<b>0.94</b>	<b>0.00</b>	<b>39.76</b>	<b>0.02</b>	<b>39.77</b>	<b>3.94</b>	<b>0.01</b>	<b>3.95</b>		<b>175.59</b>		<b>0.01</b>		<b>175.78</b>

### 3.14 Install UG Conductors - 2014

#### 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	1.86	14.32	5.51	0.02		0.51	0.51		0.51	0.51	0.00	2,446.55		0.16		2,449.99
<b>Total</b>	<b>1.86</b>	<b>14.32</b>	<b>5.51</b>	<b>0.02</b>		<b>0.51</b>	<b>0.51</b>		<b>0.51</b>	<b>0.51</b>	<b>0.00</b>	<b>2,446.55</b>		<b>0.16</b>		<b>2,449.99</b>

#### 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	0.01	0.09	0.04	0.00	0.16	0.00	0.16	0.00	0.00	0.00		15.14		0.00		15.14
Vendor	0.01	0.16	0.09	0.00	0.01	0.01	0.01	0.00	0.00	0.01		27.30		0.00		27.32
Worker	0.07	0.08	0.81	0.00	0.15	0.01	0.16	0.00	0.01	0.01		133.15		0.01		133.32
<b>Total</b>	<b>0.09</b>	<b>0.33</b>	<b>0.94</b>	<b>0.00</b>	<b>0.32</b>	<b>0.02</b>	<b>0.33</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>175.59</b>		<b>0.01</b>		<b>175.78</b>

### 3.14 Install UG Conductors - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.76	12.73	5.34	0.02		0.45	0.45		0.45	0.45		2,446.55		0.15		2,449.81
<b>Total</b>	<b>1.76</b>	<b>12.73</b>	<b>5.34</b>	<b>0.02</b>		<b>0.45</b>	<b>0.45</b>		<b>0.45</b>	<b>0.45</b>		<b>2,446.55</b>		<b>0.15</b>		<b>2,449.81</b>

#### 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	0.01	0.08	0.04	0.00	20.03	0.00	20.03	1.98	0.00	1.99		15.16		0.00		15.17
Vendor	0.01	0.15	0.08	0.00	0.98	0.00	0.98	0.10	0.00	0.10		27.34		0.00		27.36
Worker	0.07	0.07	0.75	0.00	18.75	0.01	18.76	1.86	0.01	1.86		130.13		0.01		130.29
<b>Total</b>	<b>0.09</b>	<b>0.30</b>	<b>0.87</b>	<b>0.00</b>	<b>39.76</b>	<b>0.01</b>	<b>39.77</b>	<b>3.94</b>	<b>0.01</b>	<b>3.95</b>		<b>172.63</b>		<b>0.01</b>		<b>172.82</b>

### 3.14 Install UG Conductors - 2015

#### 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	1.76	12.73	5.34	0.02		0.45	0.45		0.45	0.45	0.00	2,446.55		0.15		2,449.81
<b>Total</b>	<b>1.76</b>	<b>12.73</b>	<b>5.34</b>	<b>0.02</b>		<b>0.45</b>	<b>0.45</b>		<b>0.45</b>	<b>0.45</b>	<b>0.00</b>	<b>2,446.55</b>		<b>0.15</b>		<b>2,449.81</b>

#### 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	0.01	0.08	0.04	0.00	0.16	0.00	0.16	0.00	0.00	0.00		15.16		0.00		15.17
Vendor	0.01	0.15	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00		27.34		0.00		27.36
Worker	0.07	0.07	0.75	0.00	0.15	0.01	0.16	0.00	0.01	0.01		130.13		0.01		130.29
<b>Total</b>	<b>0.09</b>	<b>0.30</b>	<b>0.87</b>	<b>0.00</b>	<b>0.32</b>	<b>0.01</b>	<b>0.33</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>172.63</b>		<b>0.01</b>		<b>172.82</b>

### 3.15 Test, Energize, Cut-Over - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.01	0.15	0.06	0.00	20.03	0.01	20.03	1.98	0.01	1.99		27.57		0.00		27.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	2.88	0.00	2.89	0.29	0.00	0.29		20.02		0.00		20.04
<b>Total</b>	<b>0.02</b>	<b>0.16</b>	<b>0.18</b>	<b>0.00</b>	<b>22.91</b>	<b>0.01</b>	<b>22.92</b>	<b>2.27</b>	<b>0.01</b>	<b>2.28</b>		<b>47.59</b>		<b>0.00</b>		<b>47.62</b>

### 3.15 Test, Energize, Cut-Over - 2015

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.01	0.15	0.06	0.00	0.16	0.01	0.17	0.00	0.01	0.01		27.57		0.00		27.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.02	0.00	0.02	0.00	0.00	0.00		20.02		0.00		20.04
<b>Total</b>	<b>0.02</b>	<b>0.16</b>	<b>0.18</b>	<b>0.00</b>	<b>0.18</b>	<b>0.01</b>	<b>0.19</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>47.59</b>		<b>0.00</b>		<b>47.62</b>

## 4.0 Mobile Detail

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### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 %		
	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00

### 5.0 Energy Detail

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</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 Vegetation**

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# CalEEMod - Annual Construction Output

**SDG&E Wind Interconnect Construction**  
**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric
User Defined Industrial	63	User Defined Unit

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Utility Company</b>	San Diego Gas & Electric
<b>Climate Zone</b>	13	<b>Precipitation Freq (Days)</b>	40		

**1.3 User Entered Comments**

- Project Characteristics -
- Land Use - Permanet Land/ROW acreage
- Construction Phase - Construction Phases for Interconnection to Boulevard Substation
- Off-road Equipment - Based on equipment list/schedule provided by applicant
- Off-road Equipment - Based on equipment list/schedule provided by applicant
- Off-road Equipment - Based on equipment list/schedule provided by applicant
- Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Other General Industrial Equipment represents helicopter with 500hp.

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Other General Industrial Equipment represents the tensioner

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - Based on equipment list/schedule provided by applicant

Off-road Equipment - No offroad equipment for testing

Trips and VMT - Worker, Vendor (concrete and flatbed trucks), and Haul Trucks (material import, semi-trailers, and water trucks)

On-road Fugitive Dust - Paved road % based on info in project description

Grading - 7.3 acres disturbed and 1,930 CY import

## **2.0 Emissions Summary**

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## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.96	7.51	4.32	0.01	9.29	0.33	9.62	1.00	0.33	1.32	0.00	1,092.94	1,092.94	0.08	0.00	1,094.57
2015	0.07	0.49	0.24	0.00	1.43	0.02	1.45	0.14	0.02	0.16	0.00	86.35	86.35	0.01	0.00	86.47
<b>Total</b>	<b>1.03</b>	<b>8.00</b>	<b>4.56</b>	<b>0.01</b>	<b>10.72</b>	<b>0.35</b>	<b>11.07</b>	<b>1.14</b>	<b>0.35</b>	<b>1.48</b>	<b>0.00</b>	<b>1,179.29</b>	<b>1,179.29</b>	<b>0.09</b>	<b>0.00</b>	<b>1,181.04</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.96	7.51	4.32	0.01	0.15	0.33	0.48	0.04	0.33	0.37	0.00	1,092.94	1,092.94	0.08	0.00	1,094.57
2015	0.07	0.49	0.24	0.00	0.01	0.02	0.03	0.00	0.02	0.02	0.00	86.35	86.35	0.01	0.00	86.47
<b>Total</b>	<b>1.03</b>	<b>8.00</b>	<b>4.56</b>	<b>0.01</b>	<b>0.16</b>	<b>0.35</b>	<b>0.51</b>	<b>0.04</b>	<b>0.35</b>	<b>0.39</b>	<b>0.00</b>	<b>1,179.29</b>	<b>1,179.29</b>	<b>0.09</b>	<b>0.00</b>	<b>1,181.04</b>



## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 3.0 Construction Detail

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### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Access Road, Pad and Pull Site Grading - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.17	0.00	0.17	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.28	2.15	1.15	0.00		0.10	0.10		0.10	0.10	0.00	264.19	264.19	0.02	0.00	264.67
<b>Total</b>	<b>0.28</b>	<b>2.15</b>	<b>1.15</b>	<b>0.00</b>	<b>0.17</b>	<b>0.10</b>	<b>0.27</b>	<b>0.09</b>	<b>0.10</b>	<b>0.19</b>	<b>0.00</b>	<b>264.19</b>	<b>264.19</b>	<b>0.02</b>	<b>0.00</b>	<b>264.67</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.98	0.00	0.98	0.10	0.00	0.10	0.00	0.55	0.55	0.00	0.00	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.57	0.00	0.57	0.06	0.00	0.06	0.00	3.84	3.84	0.00	0.00	3.85
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>1.55</b>	<b>0.00</b>	<b>1.55</b>	<b>0.16</b>	<b>0.00</b>	<b>0.16</b>	<b>0.00</b>	<b>4.39</b>	<b>4.39</b>	<b>0.00</b>	<b>0.00</b>	<b>4.40</b>

### 3.2 Access Road, Pad and Pull Site Grading - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.08	0.00	0.08	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.28	2.15	1.15	0.00		0.10	0.10		0.10	0.10	0.00	264.19	264.19	0.02	0.00	264.67
<b>Total</b>	<b>0.28</b>	<b>2.15</b>	<b>1.15</b>	<b>0.00</b>	<b>0.08</b>	<b>0.10</b>	<b>0.18</b>	<b>0.04</b>	<b>0.10</b>	<b>0.14</b>	<b>0.00</b>	<b>264.19</b>	<b>264.19</b>	<b>0.02</b>	<b>0.00</b>	<b>264.67</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.55	0.55	0.00	0.00	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	3.84	0.00	0.00	3.85
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.39</b>	<b>4.39</b>	<b>0.00</b>	<b>0.00</b>	<b>4.40</b>

### 3.3 Grading Erosion Control - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.14	0.06	0.00		0.01	0.01		0.01	0.01	0.00	22.19	22.19	0.00	0.00	22.22
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.06</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>22.19</b>	<b>22.19</b>	<b>0.00</b>	<b>0.00</b>	<b>22.22</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.08	0.00	0.08	0.01	0.00	0.01	0.00	0.52	0.52	0.00	0.00	0.52
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.21</b>	<b>0.00</b>	<b>0.21</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.79</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.79</b>

### 3.3 Grading Erosion Control - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.14	0.06	0.00		0.01	0.01		0.01	0.01	0.00	22.19	22.19	0.00	0.00	22.22
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.06</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>22.19</b>	<b>22.19</b>	<b>0.00</b>	<b>0.00</b>	<b>22.22</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.52	0.00	0.00	0.52
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.79</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.79</b>

### 3.4 Auger Foundation (standard) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.12	1.05	0.96	0.00		0.05	0.05		0.05	0.05	0.00	164.34	164.34	0.01	0.00	164.54
<b>Total</b>	<b>0.12</b>	<b>1.05</b>	<b>0.96</b>	<b>0.00</b>		<b>0.05</b>	<b>0.05</b>		<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>164.34</b>	<b>164.34</b>	<b>0.01</b>	<b>0.00</b>	<b>164.54</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.65	0.00	0.65	0.06	0.00	0.06	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.61	0.00	0.61	0.06	0.00	0.06	0.00	4.14	4.14	0.00	0.00	4.15
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>1.26</b>	<b>0.00</b>	<b>1.26</b>	<b>0.12</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>4.41</b>	<b>4.41</b>	<b>0.00</b>	<b>0.00</b>	<b>4.42</b>

### 3.4 Auger Foundation (standard) - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.12	1.05	0.96	0.00		0.05	0.05		0.05	0.05	0.00	164.34	164.34	0.01	0.00	164.54
<b>Total</b>	<b>0.12</b>	<b>1.05</b>	<b>0.96</b>	<b>0.00</b>		<b>0.05</b>	<b>0.05</b>		<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>164.34</b>	<b>164.34</b>	<b>0.01</b>	<b>0.00</b>	<b>164.54</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	4.14	4.14	0.00	0.00	4.15
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.41</b>	<b>4.41</b>	<b>0.00</b>	<b>0.00</b>	<b>4.42</b>



### 3.5 Auger Foundation (micropile) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.06	0.54	0.43	0.00		0.02	0.02		0.02	0.02	0.00	86.96	86.96	0.00	0.00	87.06
<b>Total</b>	<b>0.06</b>	<b>0.54</b>	<b>0.43</b>	<b>0.00</b>		<b>0.02</b>	<b>0.02</b>		<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>86.96</b>	<b>86.96</b>	<b>0.00</b>	<b>0.00</b>	<b>87.06</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.65	0.00	0.65	0.06	0.00	0.06	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.61	0.00	0.61	0.06	0.00	0.06	0.00	4.14	4.14	0.00	0.00	4.15
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>1.26</b>	<b>0.00</b>	<b>1.26</b>	<b>0.12</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>4.41</b>	<b>4.41</b>	<b>0.00</b>	<b>0.00</b>	<b>4.42</b>

### 3.5 Auger Foundation (micropile) - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.06	0.54	0.43	0.00		0.02	0.02		0.02	0.02	0.00	86.96	86.96	0.00	0.00	87.06
<b>Total</b>	<b>0.06</b>	<b>0.54</b>	<b>0.43</b>	<b>0.00</b>		<b>0.02</b>	<b>0.02</b>		<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>86.96</b>	<b>86.96</b>	<b>0.00</b>	<b>0.00</b>	<b>87.06</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	4.14	4.14	0.00	0.00	4.15
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.41</b>	<b>4.41</b>	<b>0.00</b>	<b>0.00</b>	<b>4.42</b>

### 3.6 Install Foundation (standard) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.22	1.69	0.68	0.00		0.06	0.06		0.06	0.06	0.00	258.80	258.80	0.02	0.00	259.17
<b>Total</b>	<b>0.22</b>	<b>1.69</b>	<b>0.68</b>	<b>0.00</b>		<b>0.06</b>	<b>0.06</b>		<b>0.06</b>	<b>0.06</b>	<b>0.00</b>	<b>258.80</b>	<b>258.80</b>	<b>0.02</b>	<b>0.00</b>	<b>259.17</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.65	0.00	0.65	0.06	0.00	0.06	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.01	0.01	0.00	0.06	0.00	0.06	0.01	0.00	0.01	0.00	1.80	1.80	0.00	0.00	1.80
Worker	0.00	0.00	0.02	0.00	0.37	0.00	0.38	0.04	0.00	0.04	0.00	2.55	2.55	0.00	0.00	2.55
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.00</b>	<b>1.08</b>	<b>0.00</b>	<b>1.09</b>	<b>0.11</b>	<b>0.00</b>	<b>0.11</b>	<b>0.00</b>	<b>4.62</b>	<b>4.62</b>	<b>0.00</b>	<b>0.00</b>	<b>4.62</b>

### 3.6 Install Foundation (standard) - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.22	1.69	0.68	0.00		0.06	0.06		0.06	0.06	0.00	258.80	258.80	0.02	0.00	259.17
<b>Total</b>	<b>0.22</b>	<b>1.69</b>	<b>0.68</b>	<b>0.00</b>		<b>0.06</b>	<b>0.06</b>		<b>0.06</b>	<b>0.06</b>	<b>0.00</b>	<b>258.80</b>	<b>258.80</b>	<b>0.02</b>	<b>0.00</b>	<b>259.17</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80	0.00	0.00	1.80
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	2.55	0.00	0.00	2.55
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.62</b>	<b>4.62</b>	<b>0.00</b>	<b>0.00</b>	<b>4.62</b>

### 3.7 Install Foundation (micropile) - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.68	0.37	0.00		0.04	0.04		0.04	0.04	0.00	87.03	87.03	0.01	0.00	87.19
<b>Total</b>	<b>0.09</b>	<b>0.68</b>	<b>0.37</b>	<b>0.00</b>		<b>0.04</b>	<b>0.04</b>		<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>87.03</b>	<b>87.03</b>	<b>0.01</b>	<b>0.00</b>	<b>87.19</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.65	0.00	0.65	0.06	0.00	0.06	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.01	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.90	0.90	0.00	0.00	0.90
Worker	0.00	0.00	0.03	0.00	0.70	0.00	0.70	0.07	0.00	0.07	0.00	4.78	4.78	0.00	0.00	4.78
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.00</b>	<b>1.38</b>	<b>0.00</b>	<b>1.38</b>	<b>0.13</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>	<b>5.95</b>	<b>5.95</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>

### 3.7 Install Foundation (micropile) - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.68	0.37	0.00		0.04	0.04		0.04	0.04	0.00	87.03	87.03	0.01	0.00	87.19
<b>Total</b>	<b>0.09</b>	<b>0.68</b>	<b>0.37</b>	<b>0.00</b>		<b>0.04</b>	<b>0.04</b>		<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>87.03</b>	<b>87.03</b>	<b>0.01</b>	<b>0.00</b>	<b>87.19</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.90	0.00	0.00	0.90
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.78	4.78	0.00	0.00	4.78
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>	<b>5.95</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>

### 3.8 Install Steel Poles - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.07	0.56	0.20	0.00		0.02	0.02		0.02	0.02	0.00	80.87	80.87	0.01	0.00	80.98
<b>Total</b>	<b>0.07</b>	<b>0.56</b>	<b>0.20</b>	<b>0.00</b>		<b>0.02</b>	<b>0.02</b>		<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>80.87</b>	<b>80.87</b>	<b>0.01</b>	<b>0.00</b>	<b>80.98</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.61	0.00	0.61	0.06	0.00	0.06	0.00	0.26	0.26	0.00	0.00	0.26
Vendor	0.00	0.01	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.84	0.84	0.00	0.00	0.84
Worker	0.00	0.00	0.03	0.00	0.57	0.00	0.57	0.06	0.00	0.06	0.00	3.86	3.86	0.00	0.00	3.86
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.00</b>	<b>1.21</b>	<b>0.00</b>	<b>1.21</b>	<b>0.12</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>4.96</b>	<b>4.96</b>	<b>0.00</b>	<b>0.00</b>	<b>4.96</b>

### 3.8 Install Steel Poles - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.07	0.56	0.20	0.00		0.02	0.02		0.02	0.02	0.00	80.87	80.87	0.01	0.00	80.98
<b>Total</b>	<b>0.07</b>	<b>0.56</b>	<b>0.20</b>	<b>0.00</b>		<b>0.02</b>	<b>0.02</b>		<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>80.87</b>	<b>80.87</b>	<b>0.01</b>	<b>0.00</b>	<b>80.98</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.26	0.00	0.00	0.26
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.00	0.00	0.84
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86	3.86	0.00	0.00	3.86
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.96</b>	<b>4.96</b>	<b>0.00</b>	<b>0.00</b>	<b>4.96</b>



### 3.8 Install Steel Poles - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.04	0.01	0.00		0.00	0.00		0.00	0.00	0.00	5.95	5.95	0.00	0.00	5.95
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>	<b>5.95</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Worker	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.28	0.28	0.00	0.00	0.28
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>0.00</b>	<b>0.08</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.36</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>

### 3.8 Install Steel Poles - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.04	0.01	0.00		0.00	0.00		0.00	0.00	0.00	5.95	5.95	0.00	0.00	5.95
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>	<b>5.95</b>	<b>0.00</b>	<b>0.00</b>	<b>5.95</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.00	0.00	0.28
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.36</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>

### 3.9 Install OH Conductor - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.21	0.09	0.00		0.01	0.01		0.01	0.01	0.00	30.80	30.80	0.00	0.00	30.84
<b>Total</b>	<b>0.03</b>	<b>0.21</b>	<b>0.09</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>30.80</b>	<b>30.80</b>	<b>0.00</b>	<b>0.00</b>	<b>30.84</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.21	0.00	0.21	0.02	0.00	0.02	0.00	0.15	0.15	0.00	0.00	0.15
Vendor	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Worker	0.00	0.00	0.01	0.00	0.23	0.00	0.23	0.02	0.00	0.02	0.00	1.57	1.57	0.00	0.00	1.57
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.45</b>	<b>0.00</b>	<b>0.45</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>	<b>0.00</b>	<b>2.02</b>	<b>2.02</b>	<b>0.00</b>	<b>0.00</b>	<b>2.02</b>

### 3.9 Install OH Conductor - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.21	0.09	0.00		0.01	0.01		0.01	0.01	0.00	30.80	30.80	0.00	0.00	30.84
<b>Total</b>	<b>0.03</b>	<b>0.21</b>	<b>0.09</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>30.80</b>	<b>30.80</b>	<b>0.00</b>	<b>0.00</b>	<b>30.84</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	0.00	0.00	0.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.57	0.00	0.00	1.57
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.02</b>	<b>2.02</b>	<b>0.00</b>	<b>0.00</b>	<b>2.02</b>

### 3.9 Install OH Conductor - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.16	0.08	0.00		0.01	0.01		0.01	0.01	0.00	25.66	25.66	0.00	0.00	25.70
<b>Total</b>	<b>0.02</b>	<b>0.16</b>	<b>0.08</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>25.66</b>	<b>25.66</b>	<b>0.00</b>	<b>0.00</b>	<b>25.70</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.18	0.00	0.18	0.02	0.00	0.02	0.00	0.12	0.12	0.00	0.00	0.13
Vendor	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.25	0.25	0.00	0.00	0.25
Worker	0.00	0.00	0.01	0.00	0.19	0.00	0.19	0.02	0.00	0.02	0.00	1.28	1.28	0.00	0.00	1.28
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.38</b>	<b>0.00</b>	<b>0.38</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>	<b>0.00</b>	<b>1.65</b>	<b>1.65</b>	<b>0.00</b>	<b>0.00</b>	<b>1.66</b>

### 3.9 Install OH Conductor - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.16	0.08	0.00		0.01	0.01		0.01	0.01	0.00	25.66	25.66	0.00	0.00	25.70
<b>Total</b>	<b>0.02</b>	<b>0.16</b>	<b>0.08</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>25.66</b>	<b>25.66</b>	<b>0.00</b>	<b>0.00</b>	<b>25.70</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.00	0.00	0.25
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.65</b>	<b>1.65</b>	<b>0.00</b>	<b>0.00</b>	<b>1.66</b>

### 3.10 Helicopter Transport - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.04	0.01	0.00		0.00	0.00		0.00	0.00	0.00	5.11	5.11	0.00	0.00	5.12
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.11</b>	<b>5.11</b>	<b>0.00</b>	<b>0.00</b>	<b>5.12</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.31</b>	<b>0.31</b>	<b>0.00</b>	<b>0.00</b>	<b>0.31</b>

### 3.10 Helicopter Transport - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.04	0.01	0.00		0.00	0.00		0.00	0.00	0.00	5.11	5.11	0.00	0.00	5.12
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.11</b>	<b>5.11</b>	<b>0.00</b>	<b>0.00</b>	<b>5.12</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.31</b>	<b>0.31</b>	<b>0.00</b>	<b>0.00</b>	<b>0.31</b>



### 3.11 Install Duct Packages and Vaults - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.13	0.06	0.00		0.01	0.01		0.01	0.01	0.00	18.24	18.24	0.00	0.00	18.27
<b>Total</b>	<b>0.02</b>	<b>0.13</b>	<b>0.06</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>18.24</b>	<b>18.24</b>	<b>0.00</b>	<b>0.00</b>	<b>18.27</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.14	0.00	0.14	0.01	0.00	0.01	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.39	0.39	0.00	0.00	0.40
Worker	0.00	0.00	0.01	0.00	0.15	0.00	0.15	0.02	0.00	0.02	0.00	1.05	1.05	0.00	0.00	1.05
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.30</b>	<b>0.00</b>	<b>0.30</b>	<b>0.03</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>1.71</b>	<b>1.71</b>	<b>0.00</b>	<b>0.00</b>	<b>1.72</b>

### 3.11 Install Duct Packages and Vaults - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.13	0.06	0.00		0.01	0.01		0.01	0.01	0.00	18.24	18.24	0.00	0.00	18.27
<b>Total</b>	<b>0.02</b>	<b>0.13</b>	<b>0.06</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>18.24</b>	<b>18.24</b>	<b>0.00</b>	<b>0.00</b>	<b>18.27</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.39	0.00	0.00	0.40
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.00	0.00	1.05
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.71</b>	<b>1.71</b>	<b>0.00</b>	<b>0.00</b>	<b>1.72</b>

### 3.12 Foundation Erosion Control - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.14	0.06	0.00		0.01	0.01		0.01	0.01	0.00	22.19	22.19	0.00	0.00	22.22
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.06</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>22.19</b>	<b>22.19</b>	<b>0.00</b>	<b>0.00</b>	<b>22.22</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.01	0.00	0.01	0.00	0.39	0.39	0.00	0.00	0.39
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.19</b>	<b>0.00</b>	<b>0.19</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.66</b>	<b>0.66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.66</b>

### 3.12 Foundation Erosion Control - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.14	0.06	0.00		0.01	0.01		0.01	0.01	0.00	22.19	22.19	0.00	0.00	22.22
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.06</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>22.19</b>	<b>22.19</b>	<b>0.00</b>	<b>0.00</b>	<b>22.22</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.39	0.00	0.00	0.39
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.66</b>	<b>0.66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.66</b>

### 3.13 Structure Erosion Control - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.11	0.04	0.00		0.00	0.00		0.00	0.00	0.00	16.27	16.27	0.00	0.00	16.29
<b>Total</b>	<b>0.01</b>	<b>0.11</b>	<b>0.04</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.27</b>	<b>16.27</b>	<b>0.00</b>	<b>0.00</b>	<b>16.29</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.01	0.00	0.01	0.00	0.20	0.20	0.00	0.00	0.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.29	0.29	0.00	0.00	0.29
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.14</b>	<b>0.00</b>	<b>0.14</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.49</b>	<b>0.49</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>

### 3.13 Structure Erosion Control - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.11	0.04	0.00		0.00	0.00		0.00	0.00	0.00	16.27	16.27	0.00	0.00	16.29
<b>Total</b>	<b>0.01</b>	<b>0.11</b>	<b>0.04</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.27</b>	<b>16.27</b>	<b>0.00</b>	<b>0.00</b>	<b>16.29</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.00	0.00	0.29
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>	<b>0.49</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>

### 3.13 Structure Erosion Control - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.03	0.01	0.00		0.00	0.00		0.00	0.00	0.00	5.92	5.92	0.00	0.00	5.92
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.92</b>	<b>5.92</b>	<b>0.00</b>	<b>0.00</b>	<b>5.92</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.10
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.06</b>	<b>0.00</b>	<b>0.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.17</b>	<b>0.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.17</b>

### 3.13 Structure Erosion Control - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.03	0.01	0.00		0.00	0.00		0.00	0.00	0.00	5.92	5.92	0.00	0.00	5.92
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.92</b>	<b>5.92</b>	<b>0.00</b>	<b>0.00</b>	<b>5.92</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.10
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.17</b>	<b>0.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.17</b>



### 3.14 Install UG Conductors - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	1.11	1.11	0.00	0.00	1.11
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.11</b>	<b>1.11</b>	<b>0.00</b>	<b>0.00</b>	<b>1.11</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Worker	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>0.08</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>

### 3.14 Install UG Conductors - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	1.11	1.11	0.00	0.00	1.11
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.11</b>	<b>1.11</b>	<b>0.00</b>	<b>0.00</b>	<b>1.11</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>0.08</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>

### 3.14 Install UG Conductors - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.25	0.10	0.00		0.01	0.01		0.01	0.01	0.00	43.27	43.27	0.00	0.00	43.33
<b>Total</b>	<b>0.03</b>	<b>0.25</b>	<b>0.10</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>43.27</b>	<b>43.27</b>	<b>0.00</b>	<b>0.00</b>	<b>43.33</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.35	0.00	0.35	0.03	0.00	0.03	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.48	0.48	0.00	0.00	0.48
Worker	0.00	0.00	0.01	0.00	0.33	0.00	0.33	0.03	0.00	0.03	0.00	2.16	2.16	0.00	0.00	2.16
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.70</b>	<b>0.00</b>	<b>0.70</b>	<b>0.06</b>	<b>0.00</b>	<b>0.06</b>	<b>0.00</b>	<b>2.91</b>	<b>2.91</b>	<b>0.00</b>	<b>0.00</b>	<b>2.91</b>

### 3.14 Install UG Conductors - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.25	0.10	0.00		0.01	0.01		0.01	0.01	0.00	43.27	43.27	0.00	0.00	43.33
<b>Total</b>	<b>0.03</b>	<b>0.25</b>	<b>0.10</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>43.27</b>	<b>43.27</b>	<b>0.00</b>	<b>0.00</b>	<b>43.33</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.48	0.00	0.00	0.48
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	2.16	0.00	0.00	2.16
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.91</b>	<b>2.91</b>	<b>0.00</b>	<b>0.00</b>	<b>2.91</b>

### 3.15 Test, Energize, Cut-Over - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.20	0.00	0.20	0.02	0.00	0.02	0.00	0.27	0.27	0.00	0.00	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.19	0.19	0.00	0.00	0.19
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.23</b>	<b>0.00</b>	<b>0.23</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.46</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.47</b>

### 3.15 Test, Energize, Cut-Over - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.00	0.00	0.19
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.46</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.47</b>

## 4.0 Mobile Detail

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 %		
	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00

### 5.0 Energy Detail

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#### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	tons/yr										MT/yr					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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	tons/yr										MT/yr						
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 5.3 Energy by Land Use - Electricity

### Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 6.0 Area Detail

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### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					0.00	0.00	0.00	0.00
Unmitigated					0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
User Defined Industrial	0 / 0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
User Defined Industrial	0 / 0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					0.00	0.00	0.00	0.00
Unmitigated					0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 9.0 Vegetation

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# CalEEMod - Model Construction Inputs

tblProjectCharacteristics

ProjectName	LocationScope	EMFAC_ID	WindSpeed	PrecipitationFrequency	ClimateZone	UrbanizationLevel	OperationalYear
SDG&E Wind Interconnect Construction	AD	SDAPCD	2.6	40	13	Urban	2016



tblProjectCharacteristics

UtilityCompany	CO2IntensityFactor	CH4IntensityFactor	N2OIntensityFactor	TotalPopulation	TotalLotAcreage	UsingHistoricalEnergyUseData
San Diego Gas & Electric	780.79	0.029	0.011	0	63	0

## tblPollutants

PollutantSelection	PollutantFullName	PollutantName
1	Reactive Organic Gases (ROG)	ROG
1	Nitrogen Oxides (NOx)	NOX
1	Carbon Monoxide (CO)	CO
1	Sulfur Dioxide (SO2)	SO2
1	Particulate Matter 10um (PM10)	PM10
1	Particulate Matter 2.5um (PM2.5)	PM2_5
1	Fugitive PM10um (PM10)	PM10_FUG
1	Fugitive PM2.5um (PM2.5)	PM25_FUG
1	Total Organic Gases (TOG)	TOG
1	Lead (Pb)	PB
1	Biogenic Carbon Dioxide (CO2)	CO2_BIO
1	Non-Biogenic Carbon Dioxide (CO2)	CO2_NBIO
1	Carbon Dioxide (CO2)	CO2
1	Methane (CH4)	CH4
1	Nitrous Oxide (N2O)	N2O
1	CO2 Equivalent GHGs (CO2e)	CO2E

tblLandUse

LandUseType	LandUseSubType	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet	Population
Industrial	User Defined Industrial	63	User Defined Unit	63	0	0

## tblConstructionPhase

PhaseNumber	PhaseName	PhaseType	PhaseStartDate	PhaseEndDate	NumDaysWeek	NumDays	PhaseDescription
1	Access Road, Pad and Pull Site Grading	Grading	2014/04/28	2014/07/11	5	55	
2	Grading Erosion Control	Grading	2014/06/23	2014/07/11	5	15	
3	Auger Foundation (standard)	Building Construction	2014/07/07	2014/10/15	5	73	
4	Auger Foundation (micropile)	Building Construction	2014/07/07	2014/10/15	5	73	
5	Install Foundation (standard)	Building Construction	2014/09/15	2014/12/24	5	73	
6	Install Foundation (micropile)	Building Construction	2014/09/15	2014/12/24	5	73	
7	Install Steel Poles	Building Construction	2014/09/29	2015/01/07	5	73	
8	Install OH Conductor	Building Construction	2014/11/28	2015/01/28	5	44	
9	Helicopter Transport	Building Construction	2014/11/28	2014/12/04	5	5	
10	Install Duct Packages and Vaults	Building Construction	2014/12/01	2014/12/22	5	16	
11	Foundation Erosion Control	Grading	2014/12/03	2014/12/23	5	15	
12	Structure Erosion Control	Grading	2014/12/17	2015/01/06	5	15	
13	Install UG Conductors	Building Construction	2014/12/31	2015/02/24	5	40	
14	Test, Energize, Cut-Over	Building Construction	2015/01/29	2015/02/27	5	22	

## tblOffRoadEquipment

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitAmount	UsageHours	HorsePower	LoadFactor
Access Road, Pad and Pull Site Grading	Graders	2	8	162	0.61
Access Road, Pad and Pull Site Grading	Off-Highway Trucks	2	8	381	0.57
Access Road, Pad and Pull Site Grading	Off-Highway Trucks	1	4	381	0.57
Access Road, Pad and Pull Site Grading	Rollers	1	4	84	0.56
Access Road, Pad and Pull Site Grading	Rubber Tired Dozers	2	4	358	0.59
Access Road, Pad and Pull Site Grading	Tractors/Loaders/Backhoes	2	8	75	0.55
Grading Erosion Control	Off-Highway Trucks	2	6	381	0.57
Auger Foundation (standard)	Bore/Drill Rigs	3	15	82	0.75
Auger Foundation (standard)	Off-Highway Trucks	1	4	381	0.57
Auger Foundation (standard)	Tractors/Loaders/Backhoes	2	4	75	0.55
Auger Foundation (micropile)	Bore/Drill Rigs	2	10	82	0.75
Auger Foundation (micropile)	Off-Highway Trucks	1	4	381	0.57
Install Foundation (standard)	Off-Highway Trucks	2	12	381	0.57
Install Foundation (standard)	Off-Highway Trucks	1	4	381	0.57
Install Foundation (standard)	Tractors/Loaders/Backhoes	1	4	75	0.55
Install Foundation (micropile)	Air Compressors	1	5	78	0.48
Install Foundation (micropile)	Cement and Mortar Mixers	1	2	9	0.56
Install Foundation (micropile)	Generator Sets	1	5	84	0.74
Install Foundation (micropile)	Off-Highway Trucks	1	2	381	0.57
Install Foundation (micropile)	Off-Highway Trucks	1	4	381	0.57
Install Foundation (micropile)	Pumps	1	2	84	0.74
Install Foundation (micropile)	Tractors/Loaders/Backhoes	1	4	75	0.55
Install Steel Poles	Cranes	1	4	208	0.43
Install Steel Poles	Off-Highway Trucks	1	4	381	0.57
Install Steel Poles	Off-Highway Trucks	1	4	381	0.57
Install OH Conductor	Off-Highway Trucks	1	1	381	0.57
Install OH Conductor	Off-Highway Trucks	1	2	381	0.57
Install OH Conductor	Off-Highway Trucks	1	2	381	0.57
Install OH Conductor	Off-Highway Trucks	1	4	381	0.57
Install OH Conductor	Other General Industrial Equipment	1	4	150	0.51
Helicopter Transport	Other General Industrial Equipment	1	4	500	0.9
Install Duct Packages and Vaults	Cranes	1	1	208	0.43
Install Duct Packages and Vaults	Excavators	1	4	157	0.57
Install Duct Packages and Vaults	Off-Highway Trucks	1	1	381	0.57
Install Duct Packages and Vaults	Off-Highway Trucks	1	2	381	0.57

tblOffRoadEquipment

Install Duct Packages and Vaults	Off-Highway Trucks	1	4	381	0.57
Install Duct Packages and Vaults	Tractors/Loaders/Backhoes	1	1	75	0.55
Foundation Erosion Control	Off-Highway Trucks	2	6	381	0.57
Structure Erosion Control	Off-Highway Trucks	2	6	381	0.57
Install UG Conductors	Off-Highway Trucks	1	1	381	0.57
Install UG Conductors	Off-Highway Trucks	1	2	381	0.57
Install UG Conductors	Off-Highway Trucks	1	2	381	0.57
Install UG Conductors	Off-Highway Trucks	1	4	381	0.57
Test, Energize, Cut-Over	Welders	0	0	46	0.45

## tblTripsAndVMT

PhaseName	WorkerTripNumber	VendorTripNumber	HaulingTripNumber	WorkerTripLength	VendorTripLength	HaulingTripLength	WorkerVehicleClass	VendorVehicleClass	HaulingVehicleClass
Access Road, Pad and Pull Site Grading	16	0	6	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Grading Erosion Control	8	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Auger Foundation (standard)	13	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Auger Foundation (micropile)	13	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Install Foundation (standard)	8	2	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Install Foundation (micropile)	15	1	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Install Steel Poles	13	1	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Install OH Conductor	15	1	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Helicopter Transport	2	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Install Duct Packages and Vaults	15	2	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Foundation Erosion Control	6	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Structure Erosion Control	6	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Install UG Conductors	13	1	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	
Test, Energize, Cut-Over	2	0	3	10.8	7.3	50 LD_Mix	HDT_Mix	HHDT	

tblOnRoadDust

PhaseName	WorkerPercentPave	VendorPercentPave	HaulingPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	AverageVehicleWeight	MeanVehicleSpeed
Access Road, Pad and Pull Site Grading	91	91	91	0.1	8.5	0.5	2.4	40
Grading Erosion Control	91	91	91	0.1	8.5	0.5	2.4	40
Auger Foundation (standard)	91	91	91	0.1	8.5	0.5	2.4	40
Auger Foundation (micropile)	91	91	91	0.1	8.5	0.5	2.4	40
Install Foundation (standard)	91	91	91	0.1	8.5	0.5	2.4	40
Install Foundation (micropile)	91	91	91	0.1	8.5	0.5	2.4	40
Install Steel Poles	91	91	91	0.1	8.5	0.5	2.4	40
Install OH Conductor	91	91	91	0.1	8.5	0.5	2.4	40
Helicopter Transport	91	91	91	0.1	8.5	0.5	2.4	40
Install Duct Packages and Vaults	91	91	91	0.1	8.5	0.5	2.4	40
Foundation Erosion Control	91	91	91	0.1	8.5	0.5	2.4	40
Structure Erosion Control	91	91	91	0.1	8.5	0.5	2.4	40
Install UG Conductors	91	91	91	0.1	8.5	0.5	2.4	40
Test, Energize, Cut-Over	91	91	91	0.1	8.5	0.5	2.4	40



tblDemolition

PhaseName DemolitionSizeMetric DemolitionUnitAmount

tblGrading

PhaseName	MaterialImported	MaterialExported	GradingSizeMetric	ImportExportPhased	MeanVehicleSpeed
Access Road, Pad and Pull Site Grading	1930	0	Cubic Yards	0	7.1

tblGrading

AcresOfGrading	MaterialMoistureContentBulldozing	MaterialMoistureContentTruckLoading	MaterialSiltContent
7.3	7.9	12	6.9

tblArchitecturalCoating

PhaseName ArchitecturalCoatingStartDate ArchitecturalCoatingEndDate EF\_Residential\_Interior ConstArea\_Residential\_Interior

tblArchitecturalCoating

EF\_Residential\_Exterior   ConstArea\_Residential\_Exterior   EF\_Nonresidential\_Interior   ConstArea\_Nonresidential\_Interior

tblArchitecturalCoating

EF\_Nonresidential\_Exterior ConstArea\_Nonresidential\_Exterior

tblPaving

ParkingLotAcreage

tblVehicleTrips

VehicleTripsLandUseSubType	VehicleTripsLandUseSizeMetric	WD_TR	ST_TR	SU_TR	HW_TL	HS_TL	HO_TL	CC_TL	CW_TL
User Defined Industrial	User Defined Unit	0	0	0	0	0	0	7.3	9.5



tblVehicleTrips

CNW_TL	PR_TP	DV_TP	PB_TP	HW_TTP	HS_TTP	HO_TTP	CC_TTP	CW_TTP	CNW_TTP
7.3	0	0	0	0	0	0	0	0	0

Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	FleetMix	0.498983	0.089317	0.239285	0.097396	0.019978	0.00557	0.01326	0.018994	0.001138	0.001415	0.00911	0.00114	0.004414
A	CH4_IDLEX	0	0	0	0	0.0014	0.0013	0.0009	0.1	0.0012	0	0	0.03	0
A	CH4_RUNEX	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.22	0.03	0.03
A	CH4_STREX	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.07	0.04	0.04	0.13	0.03	0.03
A	CO_IDLEX	0	0	0	0	0.2	0.18	0.13	10.2	0.17	0	0	5.22	0
A	CO_RUNEX	1.56	1.78	2.1	2.69	2.62	1.63	2.4	3.47	3.95	4.82	30.79	7.05	5.13
A	CO_STREX	3.98	3.82	4.93	6.03	4.56	3.17	4.81	19.17	11.38	8.29	9.94	6.36	9.58
A	CO2_IDLEX	0	0	0	0	7.8647	8.4051	12.3134	1470.9977	11.0106	0	0	534.4749	0
A	CO2_RUNEX	317.9482	402.019	424.764	584.7321	836.1242	733.1684	1325.7073	1743.1181	1198.2598	2153.7545	161.8305	1361.5957	745.4625
A	CO2_STREX	61.8758	76.2736	81.3688	111.7856	36.6121	29.7702	11.0878	11.8405	19.5702	31.2563	43.4925	16.8585	32.3854
A	NOX_IDLEX	0	0	0	0	0.02	0.05	0.18	27.21	0.12	0	0	8.73	0
A	NOX_RUNEX	0.15	0.18	0.25	0.34	1.04	1.84	4.15	8.23	3.22	13.56	1.14	9.24	1.36
A	NOX_STREX	0.23	0.24	0.46	0.57	1.49	1.2	0.58	2.26	1.6	1.37	0.3	0.43	0.97
A	PM10_IDLEX	0	0	0	0	0.0002	0.0006	0.0022	0.23	0.0016	0	0	0.1	0
A	PM10_PMBW	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.0063	0.01	0.01
A	PM10_PMTW	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.03	0.01	0.0089	0.004	0.01	0.01
A	PM10_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.17	0.35	0.11	0.23	0.02	0.4	0.01
A	PM10_STREX	0.0072	0.008	0.01	0.01	0.0022	0.0019	0.001	0.0015	0.0023	0.0027	0.01	0.0012	0.0009
A	PM25_IDLEX	0	0	0	0	0.0002	0.0006	0.002	0.21	0.0014	0	0	0.09	0
A	PM25_PMBW	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.01	0.0054	0.0054	0.0027	0.0054	0.0054
A	PM25_PMTW	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.0089	0.003	0.0022	0.001	0.003	0.003
A	PM25_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.16	0.32	0.11	0.21	0.02	0.37	0.01
A	PM25_STREX	0.0067	0.0074	0.01	0.01	0.0021	0.0017	0.001	0.0014	0.0021	0.0025	0.0089	0.001	0.0008
A	ROG_DIURN	0.08	0.07	0.09	0.08	0.0019	0.0013	0.0005	0.0006	0.0007	0.0028	0.83	0.0059	1.15
A	ROG_HTSK	0.15	0.16	0.18	0.16	0.04	0.03	0.01	0.01	0.02	0.06	0.35	0.04	0.07
A	ROG_IDLEX	0	0	0	0	0.03	0.02	0.01	2.21	0.02	0	0	0.72	0
A	ROG_RESTL	0.06	0.07	0.08	0.08	0.0009	0.0006	0.0003	0.0004	0.0004	0.0023	0.52	0.0028	0.53
A	ROG_RUNEX	0.05	0.04	0.05	0.08	0.25	0.19	0.19	0.67	0.26	0.79	3.05	0.6	0.2
A	ROG_RUNLS	0.062002	0.1026	0.124855	0.105162	0.356221	0.227664	0.079149	0.009448	0.153639	0.010545	0.281676	0.028001	0.015491
A	ROG_STREX	0.32	0.26	0.36	0.5	0.39	0.3	0.32	1.28	0.7	0.83	2.12	0.49	0.56
A	SO2_IDLEX	0	0	0	0	0.0001	0.0001	0.0001	0.01	0.0001	0	0	0.0053	0
A	SO2_RUNEX	0.0037	0.0046	0.0046	0.0063	0.0084	0.0073	0.01	0.01	0.01	0.02	0.0022	0.01	0.0075
A	SO2_STREX	0.0008	0.0009	0.0009	0.0013	0.0004	0.0004	0.0002	0.0004	0.0004	0.0005	0.0006	0.0003	0.0005
A	TOG_DIURN	0.08	0.07	0.09	0.08	0.0019	0.0013	0.0005	0.0006	0.0007	0.0028	0.83	0.0059	1.15
A	TOG_HTSK	0.15	0.16	0.18	0.16	0.04	0.03	0.01	0.01	0.02	0.06	0.35	0.04	0.07
A	TOG_IDLEX	0	0	0	0	0.03	0.03	0.02	2.52	0.02	0	0	0.79	0
A	TOG_RESTL	0.06	0.07	0.08	0.08	0.0009	0.0006	0.0003	0.0004	0.0004	0.0023	0.52	0.0028	0.53
A	TOG_RUNEX	0.07	0.06	0.07	0.12	0.28	0.22	0.22	0.76	0.3	0.88	3.33	0.67	0.24
A	TOG_RUNLS	0.062002	0.1026	0.124855	0.105162	0.356221	0.227664	0.079149	0.009448	0.153639	0.010545	0.281676	0.028001	0.015491
A	TOG_STREX	0.34	0.28	0.38	0.54	0.42	0.32	0.35	1.37	0.74	0.89	2.28	0.53	0.59
S	FleetMix	0.498983	0.089317	0.239285	0.097396	0.019978	0.00557	0.01326	0.018994	0.001138	0.001415	0.00911	0.00114	0.004414
S	CH4_IDLEX	0	0	0	0	0.0014	0.0013	0.0009	0.09	0.0012	0	0	0.03	0
S	CH4_RUNEX	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.22	0.03	0.03
S	CH4_STREX	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.06	0.03	0.04	0.11	0.02	0.02
S	CO_IDLEX	0	0	0	0	0.2	0.18	0.13	7.41	0.17	0	0	5.22	0
S	CO_RUNEX	1.74	1.95	2.32	2.95	2.67	1.65	2.42	3.49	4.01	4.82	29.62	6.94	5.25
S	CO_STREX	3.02	2.92	3.75	4.6	3.6	2.52	3.93	15.41	9.2	7.03	8.77	5.49	7.52
S	CO2_IDLEX	0	0	0	0	7.8647	8.4051	12.3134	1554.8273	11.0106	0	0	534.4749	0
S	CO2_RUNEX	339.4773	427.7845	452.4692	622.8399	836.1242	733.1684	1325.7073	1743.1181	1198.2598	2153.7545	161.8305	1361.5957	745.4625
S	CO2_STREX	61.8758	76.2736	81.3688	111.7856	36.6121	29.7702	11.0878	11.8405	19.5702	31.2563	43.4925	16.8585	32.3854
S	NOX_IDLEX	0	0	0	0	0.02	0.05	0.18	28.17	0.12	0	0	8.73	0
S	NOX_RUNEX	0.16	0.18	0.26	0.35	1.08	1.9	4.3	8.5	3.32	14.03	1.16	9.55	1.39
S	NOX_STREX	0.21	0.22	0.42	0.53	1.43	1.15	0.55	2.17	1.53	1.31	0.29	0.41	0.93
S	PM10_IDLEX	0	0	0	0	0.0002	0.0006	0.0022	0.19	0.0016	0	0	0.1	0
S	PM10_PMBW	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.0063	0.01	0.01
S	PM10_PMTW	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.03	0.01	0.0089	0.004	0.01	0.01
S	PM10_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.17	0.35	0.11	0.23	0.02	0.4	0.01
S	PM10_STREX	0.0072	0.008	0.01	0.01	0.0022	0.0019	0.001	0.0015	0.0023	0.0027	0.01	0.0012	0.0009
S	PM25_IDLEX	0	0	0	0	0.0002	0.0006	0.002	0.18	0.0014	0	0	0.09	0
S	PM25_PMBW	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.01	0.0054	0.0054	0.0027	0.0054	0.0054
S	PM25_PMTW	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.0089	0.003	0.0022	0.001	0.003	0.003
S	PM25_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.16	0.32	0.11	0.21	0.02	0.37	0.01
S	PM25_STREX	0.0067	0.0074	0.01	0.01	0.0021	0.0017	0.001	0.0014	0.0021	0.0025	0.0089	0.001	0.0008
S	ROG_DIURN	0.12	0.12	0.15	0.13	0.0029	0.002	0.0008	0.001	0.0012	0.0042	1.42	0.0093	1.77
S	ROG_HTSK	0.16	0.17	0.19	0.18	0.04	0.03	0.01	0.01	0.02	0.07	0.42	0.04	0.07
S	ROG_IDLEX	0	0	0	0	0.03	0.02	0.01	2.08	0.02	0	0	0.72	0
S	ROG_RESTL	0.11	0.12	0.14	0.14	0.0015	0.0011	0.0005	0.0007	0.0007	0.0038	1.09	0.0049	0.87
S	ROG_RUNEX	0.06	0.05	0.05	0.09	0.26	0.19	0.19	0.67	0.26	0.79	2.96	0.6	0.21
S	ROG_RUNLS	0.058449	0.095061	0.11523	0.097475	0.343917	0.219236	0.077951	0.009503	0.150634	0.009668	0.257784	0.025365	0.015113
S	ROG_STREX	0.27	0.21	0.3	0.42	0.34	0.26	0.28	1.11	0.61	0.75	1.84	0.43	0.47
S	SO2_IDLEX	0	0	0	0	0.0001	0.0001	0.0001	0.01	0.0001	0	0	0.0053	0
S	SO2_RUNEX	0.0039	0.0049	0.005	0.0067	0.0084	0.0073	0.01	0.01	0.01	0.02	0.0021	0.01	0.0075
S	SO2_STREX	0.0007	0.0009	0.0009	0.0013	0.0004	0.0003	0.0002	0.0004	0.0004	0.0004	0.0006	0.0003	0.0005
S	TOG_DIURN	0.12	0.12	0.15	0.13	0.0029	0.002	0.0008	0.001	0.0012	0.0042	1.42	0.0093	1.77
S	TOG_HTSK	0.16	0.17	0.19	0.18	0.04	0.03	0.01	0.01	0.02	0.07	0.42	0.04	0.07
S	TOG_IDLEX	0	0	0	0	0.03	0.03	0.02	2.37	0.02	0	0	0.79	0
S	TOG_RESTL	0.11	0.12	0.14	0.14	0.0015	0.0011	0.0005	0.0007	0.0007	0.0038	1.09	0.0049	0.87
S	TOG_RUNEX	0.08	0.07	0.08	0.12	0.29	0.22	0.22	0.76	0.3	0.89	3.23	0.67	0.25
S	TOG_RUNLS	0.058449	0.095061	0.11523	0.097475	0.343917	0.219236	0.077951	0.009503	0.150634	0.009668	0.257784	0.025365	0.015113

tblVehicleEF

S	TOG_STREX	0.28	0.23	0.32	0.45	0.37	0.28	0.3	1.18	0.65	0.8	1.98	0.46	0.5
W	FleetMix	0.498983	0.089317	0.239285	0.097396	0.019978	0.00557	0.01326	0.018994	0.001138	0.001415	0.00911	0.00114	0.004414
W	CH4_IDLEX	0	0	0	0	0.0014	0.0013	0.0009	0.11	0.0012	0	0	0.03	0
W	CH4_RUNEX	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.22	0.03	0.03
W	CH4_STREX	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.07	0.03	0.04	0.13	0.03	0.03
W	CO_IDLEX	0	0	0	0	0.2	0.18	0.13	14.09	0.17	0	0	5.22	0
W	CO_RUNEX	1.53	1.75	2.06	2.64	2.62	1.63	2.4	3.47	3.95	4.82	30.96	7.1	5.12
W	CO_STREX	4.02	3.87	4.99	6.1	4.58	3.19	4.77	18.96	11.27	8.31	9.97	6.67	9.46
W	CO2_IDLEX	0	0	0	0	7.8647	8.4051	12.3134	1353.6441	11.0106	0	0	534.4749	0
W	CO2_RUNEX	312.1678	395.1192	417.3528	574.5417	836.1242	733.1684	1325.7073	1743.1181	1198.2598	2153.7545	161.8305	1361.5957	745.4625
W	CO2_STREX	61.8758	76.2736	81.3688	111.7856	36.6121	29.7702	11.0878	11.8405	19.5702	31.2563	43.4925	16.8585	32.3854
W	NOX_IDLEX	0	0	0	0	0.02	0.05	0.18	25.87	0.12	0	0	8.73	0
W	NOX_RUNEX	0.17	0.2	0.29	0.38	1.13	1.98	4.48	8.82	3.51	14.56	1.29	9.91	1.5
W	NOX_STREX	0.23	0.24	0.46	0.58	1.48	1.19	0.58	2.26	1.6	1.38	0.3	0.44	0.97
W	PM10_IDLEX	0	0	0	0	0.0002	0.0006	0.0022	0.28	0.0016	0	0	0.1	0
W	PM10_PMBW	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.0063	0.01	0.01
W	PM10_PMTW	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.03	0.01	0.0089	0.004	0.01	0.01
W	PM10_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.17	0.35	0.11	0.23	0.02	0.4	0.01
W	PM10_STREX	0.0072	0.008	0.01	0.01	0.0022	0.0019	0.001	0.0015	0.0023	0.0027	0.01	0.0012	0.0009
W	PM25_IDLEX	0	0	0	0	0.0002	0.0006	0.002	0.26	0.0014	0	0	0.09	0
W	PM25_PMBW	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.01	0.0054	0.0054	0.0027	0.0054	0.0054
W	PM25_PMTW	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.0089	0.003	0.0022	0.001	0.003	0.003
W	PM25_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.16	0.32	0.11	0.21	0.02	0.37	0.01
W	PM25_STREX	0.0067	0.0074	0.01	0.01	0.0021	0.0017	0.001	0.0014	0.0021	0.0025	0.0089	0.001	0.0008
W	ROG_DIURN	0.07	0.07	0.08	0.07	0.0024	0.0016	0.0007	0.0007	0.0009	0.0032	0.92	0.0079	1.5
W	ROG_HTSK	0.19	0.19	0.22	0.2	0.05	0.04	0.01	0.02	0.02	0.09	0.57	0.06	0.11
W	ROG_IDLEX	0	0	0	0	0.03	0.02	0.01	2.4	0.02	0	0	0.72	0
W	ROG_RESTL	0.07	0.08	0.09	0.09	0.0011	0.0008	0.0004	0.0005	0.0005	0.0029	0.62	0.0039	0.7
W	ROG_RUNEX	0.05	0.04	0.05	0.08	0.25	0.19	0.19	0.67	0.26	0.79	3.06	0.6	0.2
W	ROG_RUNLS	0.072161	0.124529	0.152585	0.127446	0.398321	0.255738	0.085449	0.010078	0.166519	0.012971	0.348194	0.034056	0.016555
W	ROG_STREX	0.32	0.26	0.36	0.51	0.39	0.3	0.32	1.27	0.69	0.83	2.12	0.51	0.55
W	SO2_IDLEX	0	0	0	0	0.0001	0.0001	0.0001	0.01	0.0001	0	0	0.0053	0
W	SO2_RUNEX	0.0036	0.0045	0.0046	0.0062	0.0084	0.0073	0.01	0.01	0.01	0.02	0.0022	0.01	0.0075
W	SO2_STREX	0.0008	0.0009	0.001	0.0013	0.0004	0.0004	0.0002	0.0004	0.0004	0.0005	0.0006	0.0003	0.0005
W	TOG_DIURN	0.07	0.07	0.08	0.07	0.0024	0.0016	0.0007	0.0007	0.0009	0.0032	0.92	0.0079	1.5
W	TOG_HTSK	0.19	0.19	0.22	0.2	0.05	0.04	0.01	0.02	0.02	0.09	0.57	0.06	0.11
W	TOG_IDLEX	0	0	0	0	0.03	0.03	0.02	2.73	0.02	0	0	0.79	0
W	TOG_RESTL	0.07	0.08	0.09	0.09	0.0011	0.0008	0.0004	0.0005	0.0005	0.0029	0.62	0.0039	0.7
W	TOG_RUNEX	0.07	0.06	0.07	0.11	0.28	0.22	0.22	0.76	0.3	0.88	3.34	0.67	0.24
W	TOG_RUNLS	0.072161	0.124529	0.152585	0.127446	0.398321	0.255738	0.085449	0.010078	0.166519	0.012971	0.348194	0.034056	0.016555
W	TOG_STREX	0.35	0.28	0.39	0.54	0.42	0.32	0.34	1.36	0.74	0.89	2.28	0.55	0.59

tblRoadDust

RoadPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	MobileAverageVehicleWeight	MeanVehicleSpeed
100	0.1	4.3	0.5	2.4	40

tblWoodstoves

WoodstovesLandUseSubType    NumberConventional    NumberCatalytic    NumberNoncatalytic    NumberPellet    WoodstoveDayYear    WoodstoveWoodMass

tblFireplaces

FireplacesLandUseSubType    NumberWood    NumberGas    NumberPropane    NumberNoFireplace    FireplaceHourDay    FireplaceDayYear    FireplaceWoodMass

ROG\_EF  
2.14E-05

tblAreaCoating

Area_EF_Residential_Interior	Area_Residential_Interior	Area_EF_Residential_Exterior	Area_Residential_Exterior
250	0	250	0



tblAreaCoating

Area_EF_Nonresidential_Interior	Area_Nonresidential_Interior	Area_EF_Nonresidential_Exterior	Area_Nonresidential_Exterior
250	0	250	0

tblAreaCoating

ReapplicationRatePercent

10

tblLandscapeEquipment

NumberSnowDays	NumberSummerDays
0	180

tblEnergyUse

EnergyUseLandUseSubType	T24E	NT24E	LightingElect	T24NG	NT24NG
User Defined Industrial	0	0	0	0	0

tblWater

WaterLandUseSubType	WaterLandUseSizeMetric	IndoorWaterUseRate	OutdoorWaterUseRate	ElectricityIntensityFactorToSupply
User Defined Industrial	User Defined Unit	0	0	9727

tblWater

ElectricityIntensityFactorToTreat	ElectricityIntensityFactorToDistribute	ElectricityIntensityFactorForWastewaterTreatment	SepticTankPercent
111	1272	1911	10

tblWater

AerobicPercent	AnaerobicandFacultativeLagoonsPercent	AnaDigestCombDigestGasPercent	AnaDigestCogenCombDigestGasPercent
84.69	2.14	3.17	0

tblSolidWaste

SolidWasteLandUseSubType	SolidWasteLandUseSizeMetric	SolidWasteGenerationRate	LandfillNoGasCapture	LandfillCaptureGasFlare	LandfillCaptureGasEnergyRecovery
User Defined Industrial	User Defined Unit		0	6	94
					0



tblLandUseChange

VegetationLandUseType    VegetationLandUseSubType    AcresBegin    AcresEnd    CO2peracre

tblSequestration

BroadSpeciesClass    NumberOfNewTrees    CO2perTree

## tblConstEquipMitigation

ConstMitigationEquipmentType	FuelType	Tier	NumberOfEquipmentMitigated	TotalNumberOfEquipmentMitigated	DPF	OxidationCatalyst
Air Compressors	Diesel		0		1	0
Bore/Drill Rigs	Diesel		0		5	0
Cement and Mortar Mixers	Diesel		0		1	0
Cranes	Diesel		0		2	0
Excavators	Diesel		0		1	0
Generator Sets	Diesel		0		1	0
Graders	Diesel		0		2	0
Off-Highway Trucks	Diesel		0		29	0
Other General Industrial Equipment	Diesel		0		2	0
Pumps	Diesel		0		1	0
Rollers	Diesel		0		1	0
Rubber Tired Dozers	Diesel		0		2	0
Tractors/Loaders/Backhoes	Diesel		0		7	0
Welders	Diesel		0		0	0

tblConstDustMitigation

SoilStabilizerCheck	SoilStabilizerPM10PercentReduction	SoilStabilizerPM25PercentReduction	ReplaceGroundCoverCheck
0			0

tblConstDustMitigation

ReplaceGroundCoverPM10PercentReduction

ReplaceGroundCoverPM25PercentReduction

WaterExposedAreaCheck

1

tblConstDustMitigation

WaterExposedAreaFrequency	2	WaterExposedAreaPM10PercentReduction	55	WaterExposedAreaPM25PercentReduction	55
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tblConstDustMitigation

WaterUnpavedRoadMoistureContentCheck

0

WaterUnpavedRoadVehicleSpeedCheck

1

WaterUnpavedRoadMoistureContent

tblConstDustMitigation

WaterUnpavedRoadVehicleSpeed	CleanPavedRoadCheck	CleanPavedRoadPercentReduction
15		0



tblLandUseMitigation

ProjectSetting IncreaseDensityCheck IncreaseDensityDUPerAcre IncreaseDensityJobPerAcre IncreaseDiversityCheck ImproveWalkabilityDesignCheck

tblLandUseMitigation

ImproveWalkabilityDesignIntersections

ImproveDestinationAccessibilityCheck

ImproveDestinationAccessibilityDistance

IncreaseTransitAccessibilityCheck

tblLandUseMitigation

IncreaseTransitAccessibilityDistance

IntegrateBelowMarketRateHousingCheck

IntegrateBelowMarketRateHousingDU

ImprovePedestrianNetworkCheck

tblLandUseMitigation

ImprovePedestrianNetworkSelection

ProvideTrafficCalmingMeasuresCheck

ProvideTrafficCalmingMeasuresPercentStreet

tblLandUseMitigation

ProvideTrafficCalmingMeasuresPercentIntersection

ImplementNEVNetworkCheck

LimitParkingSupplyCheck

LimitParkingSupplySpacePercentReduction

tblLandUseMitigation

UnbundleParkingCostCheck   UnbundleParkingCostCost   OnStreetMarketPricingCheck   OnStreetMarketPricingPricePercentIncrease

tblLandUseMitigation

ProvideBRTSystemCheck

ProvideBRTSystemPercentBRT

ExpandTransitNetworkCheck

ExpandTransitNetworkTransitCoveragePercentIncrease

tblLandUseMitigation

IncreaseTransitFrequencyCheck

IncreaseTransitFrequencyImplementationLevel

IncreaseTransitFrequencyHeadwaysPercentReduction



tblCommuterMitigation

ImplementTripReductionProgramCheck	ImplementTripReductionProgramPercentEmployee	ImplementTripReductionProgramType
0		

tblCommuterMitigation

TransitSubsidyCheck	TransitSubsidyPercentEmployee	TransitSubsidyDailySubsidyAmount	ImplementEmployeeParkingCashOutCheck
0			0

tblCommuteMitigation

ImplementEmployeeParkingCashOutPercentEmployee

WorkplaceParkingChargeCheck

WorkplaceParkingChargePercentEmployee

0

tblCommuteMitigation

WorkplaceParkingChargeCost    EncourageTelecommutingCheck    EncourageTelecommutingPercentEmployee9\_80  
0

tblCommuteMitigation

EncourageTelecommutingPercentEmployee4\_40

EncourageTelecommutingPercentEmployee1\_5days

tblCommuteMitigation

MarketCommuteTripReductionOptionCheck

0

MarketCommuteTripReductionOptionPercentEmployee

EmployeeVanpoolCheck

0

tblCommuteMitigation

EmployeeVanpoolPercentEmployee	EmployeeVanpoolPercentModeShare	ProvideRideSharingProgramCheck	
		2	0

tblCommuteMitigation

ProvideRideSharingProgramPercentEmployee

ImplementSchoolBusProgramCheck

ImplementSchoolBusProgramPercentFamilyUsing  
0



tblAreaMitigation

LandscapeLawnmowerCheck	LandscapeLawnmowerPercentElectric	LandscapeLeafblowerCheck	LandscapeLeafblowerPercentElectric
0		0	

tblAreaMitigation

LandscapeChainsawCheck	LandscapeChainsawPercentElectric	UseLowVOCPaintResidentialInteriorCheck
0		0

tblAreaMitigation

UseLowVOCPaintResidentialInteriorValue	UseLowVOCPaintResidentialExteriorCheck	UseLowVOCPaintResidentialExteriorValue
250	0	250

tblAreaMitigation

UseLowVOCPaintNonresidentialInteriorCheck	0	UseLowVOCPaintNonresidentialInteriorValue	250	UseLowVOCPaintNonresidentialExteriorCheck	0
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tblAreaMitigation

UseLowVOCPaintNonresidentialExteriorValue	HearthOnlyNaturalGasHearthCheck	NoHearthCheck	UseLowVOCCleaningSuppliesCheck
250	0	0	0

tblEnergyMitigation

ExceedTitle24Check    ExceedTitle24CheckPercentImprovement    InstallHighEfficiencyLightingCheck

tblEnergyMitigation

InstallHighEfficiencyLightingPercentEnergyReduction    OnSiteRenewableEnergyCheck    KwhGeneratedCheck    KwhGenerated

PercentOfElectricityUseGeneratedCheck

PercentOfElectricityUseGenerated



tblApplianceMitigation

ApplianceType	ApplianceLandUseSubType	PercentImprovement
ClothWasher		30
DishWasher		15
Fan		50
Refrigerator		15

tblWaterMitigation

ApplyWaterConservationStrategyCheck    ApplyWaterConservationStrategyPercentReductionIndoor  
0

tblWaterMitigation

ApplyWaterConservationStrategyPercentReductionOutdoor

UseReclaimedWaterCheck

PercentOutdoorReclaimedWaterUse

0

tblWaterMitigation

PercentIndoorReclaimedWaterUse    UseGreyWaterCheck    PercentOutdoorGreyWaterUse    PercentIndoorGreyWaterUse  
0

tblWaterMitigation

InstallLowFlowBathroomFaucetCheck	0	PercentReductionInFlowBathroomFaucet	32	InstallLowFlowKitchenFaucetCheck	0
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tblWaterMitigation

PercentReductionInFlowKitchenFaucet	18	InstallLowFlowToiletCheck	0	PercentReductionInFlowToilet	20	InstallLowFlowShowerCheck	0
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tblWaterMitigation

PercentReductionInFlowShower	TurfReductionCheck	TurfReductionTurfArea	TurfReductionPercentReduction
20	0		

tblWaterMitigation

UseWaterEfficientIrrigationSystemCheck	0	UseWaterEfficientIrrigationSystemPercentReduction	6.1	WaterEfficientLandscapeCheck	0	MAWA
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ETWU

tblWasteMitigation

InstituteRecyclingAndCompostingServicesCheck

InstituteRecyclingAndCompostingServicesWastePercentReduction

## tblRemarks

SubModuleID	PhaseName	Season	Remarks
1			
3			Permanet Land/ROW acreage
4			Construction Phases for Interconnection to Boulevard Substation
5	Access Road, Pad and Pull Site Grading		Based on equipment list/schedule provided by applicant
5	Auger Foundation (micropile)		Based on equipment list/schedule provided by applicant
5	Auger Foundation (standard)		Based on equipment list/schedule provided by applicant
5	Foundation Erosion Control		Based on equipment list/schedule provided by applicant
5	Grading Erosion Control		Based on equipment list/schedule provided by applicant
5	Helicopter Transport		Other General Industrial Equipment represents helicopter with 500hp.
5	Install Duct Packages and Vaults		Based on equipment list/schedule provided by applicant
5	Install Foundation (micropile)		Based on equipment list/schedule provided by applicant
5	Install Foundation (standard)		Based on equipment list/schedule provided by applicant
5	Install OH Conductor		Other General Industrial Equipment represents the tensioner
5	Install Steel Poles		Based on equipment list/schedule provided by applicant
5	Install UG Conductors		Based on equipment list/schedule provided by applicant
5	Structure Erosion Control		Based on equipment list/schedule provided by applicant
5	Test, Energize, Cut-Over		No offroad equipment for testing
6			Worker, Vendor (concrete and flatbed trucks), and Haul Trucks (material import, semi-trailers, and water trucks)
7			Paved road % based on info in project description
9			7.3 acres disturbed and 1,930 CY import

# CalEEMod - Summer Operations Output

**SDG&E Wind Interconnect Operations**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric
User Defined Industrial	63	User Defined Unit

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Utility Company</b>	San Diego Gas & Electric
<b>Climate Zone</b>	13	<b>Precipitation Freq (Days)</b>	40		

**1.3 User Entered Comments**

- Project Characteristics -
- Land Use - Permanent Land/ROW acreage
- Construction Phase - Assumptions based on project description
- Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for phase)
- Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)
- Off-road Equipment - Assumptions based on project description
- Off-road Equipment - Assumptions based on project description (i.e., water truck for staging area and helicopter modeled as Other General Industrial Equipment with increased HP)

Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for phase)  
Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)  
Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)  
Off-road Equipment - Assumptions based on project description  
Off-road Equipment - Assumptions based on project description (Other Material Handling Equipment used for chipper trailer)  
Trips and VMT - Added 10.4 miles to worker triplength to account for commute plus travel along the line  
On-road Fugitive Dust - Adjusted to match proportion of paved roads in project description  
Grading - ROW repair assumed to disturb 2 acres per year  
Construction Off-road Equipment Mitigation -

## **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	4.28	30.11	14.94	0.05	56.63	1.10	57.73	5.61	1.10	6.71	0.00	6,091.48	0.00	0.39	0.00	6,099.65
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</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	4.28	30.11	14.94	0.05	0.47	1.10	1.57	0.01	1.10	1.11	0.00	6,091.48	0.00	0.39	0.00	6,099.65
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 3.0 Construction Detail



### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Application of Herbicides - 1 - 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.10	0.00	2.83	0.00	2.83	0.28	0.00	0.28		19.02		0.00		19.04
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.10</b>	<b>0.00</b>	<b>2.83</b>	<b>0.00</b>	<b>2.83</b>	<b>0.28</b>	<b>0.00</b>	<b>0.28</b>		<b>19.02</b>		<b>0.00</b>		<b>19.04</b>

### 3.2 Application of Herbicides - 1 - 2016

#### 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00		19.02		0.00		19.04
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.10</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>19.02</b>		<b>0.00</b>		<b>19.04</b>

### 3.3 Insulator Washing - 1 - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.20	0.00	5.66	0.00	5.66	0.56	0.00	0.56		38.05		0.00		38.09
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>5.66</b>	<b>0.00</b>	<b>5.66</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>		<b>38.05</b>		<b>0.00</b>		<b>38.09</b>

### 3.3 Insulator Washing - 1 - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.20	0.00	0.05	0.00	0.05	0.00	0.00	0.00		38.05		0.00		38.09
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>38.05</b>		<b>0.00</b>		<b>38.09</b>

### 3.4 Helicopter Inspection - 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					
Off-Road	2.31	18.61	7.09	0.03		0.64	0.64		0.64	0.64		3,379.69		0.21		3,384.06
<b>Total</b>	<b>2.31</b>	<b>18.61</b>	<b>7.09</b>	<b>0.03</b>		<b>0.64</b>	<b>0.64</b>		<b>0.64</b>	<b>0.64</b>		<b>3,379.69</b>		<b>0.21</b>		<b>3,384.06</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.10	0.13	1.27	0.00	36.81	0.01	36.82	3.65	0.01	3.66		247.30		0.01		247.58
<b>Total</b>	<b>0.10</b>	<b>0.13</b>	<b>1.27</b>	<b>0.00</b>	<b>36.81</b>	<b>0.01</b>	<b>36.82</b>	<b>3.65</b>	<b>0.01</b>	<b>3.66</b>		<b>247.30</b>		<b>0.01</b>		<b>247.58</b>

### 3.4 Helicopter Inspection - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.31	18.61	7.09	0.03		0.64	0.64		0.64	0.64	0.00	3,379.69		0.21		3,384.06
<b>Total</b>	<b>2.31</b>	<b>18.61</b>	<b>7.09</b>	<b>0.03</b>		<b>0.64</b>	<b>0.64</b>		<b>0.64</b>	<b>0.64</b>	<b>0.00</b>	<b>3,379.69</b>		<b>0.21</b>		<b>3,384.06</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.10	0.13	1.27	0.00	0.30	0.01	0.32	0.00	0.01	0.02		247.30		0.01		247.58
<b>Total</b>	<b>0.10</b>	<b>0.13</b>	<b>1.27</b>	<b>0.00</b>	<b>0.30</b>	<b>0.01</b>	<b>0.32</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>247.30</b>		<b>0.01</b>		<b>247.58</b>

### 3.5 Equipment Repair or Replacement - 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					
Off-Road	1.82	11.30	5.89	0.02		0.45	0.45		0.45	0.45		2,331.34		0.16		2,334.70
<b>Total</b>	<b>1.82</b>	<b>11.30</b>	<b>5.89</b>	<b>0.02</b>		<b>0.45</b>	<b>0.45</b>		<b>0.45</b>	<b>0.45</b>		<b>2,331.34</b>		<b>0.16</b>		<b>2,334.70</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.04	0.39	0.00	11.33	0.00	11.33	1.12	0.00	1.13		76.09		0.00		76.18
<b>Total</b>	<b>0.03</b>	<b>0.04</b>	<b>0.39</b>	<b>0.00</b>	<b>11.33</b>	<b>0.00</b>	<b>11.33</b>	<b>1.12</b>	<b>0.00</b>	<b>1.13</b>		<b>76.09</b>		<b>0.00</b>		<b>76.18</b>

### 3.5 Equipment Repair or Replacement - 2016

#### 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	1.82	11.30	5.89	0.02		0.45	0.45		0.45	0.45	0.00	2,331.34		0.16		2,334.70
<b>Total</b>	<b>1.82</b>	<b>11.30</b>	<b>5.89</b>	<b>0.02</b>		<b>0.45</b>	<b>0.45</b>		<b>0.45</b>	<b>0.45</b>	<b>0.00</b>	<b>2,331.34</b>		<b>0.16</b>		<b>2,334.70</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.04	0.39	0.00	0.09	0.00	0.10	0.00	0.00	0.00		76.09		0.00		76.18
<b>Total</b>	<b>0.03</b>	<b>0.04</b>	<b>0.39</b>	<b>0.00</b>	<b>0.09</b>	<b>0.00</b>	<b>0.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>76.09</b>		<b>0.00</b>		<b>76.18</b>



### 3.6 Application of Herbicides - 2 - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.10	0.00	2.83	0.00	2.83	0.28	0.00	0.28		19.02		0.00		19.04
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.10</b>	<b>0.00</b>	<b>2.83</b>	<b>0.00</b>	<b>2.83</b>	<b>0.28</b>	<b>0.00</b>	<b>0.28</b>		<b>19.02</b>		<b>0.00</b>		<b>19.04</b>

### 3.6 Application of Herbicides - 2 - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00		19.02		0.00		19.04
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.10</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>19.02</b>		<b>0.00</b>		<b>19.04</b>

### 3.7 Insulator Washing - 2 - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.20	0.00	5.66	0.00	5.66	0.56	0.00	0.56		38.05		0.00		38.09
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>5.66</b>	<b>0.00</b>	<b>5.66</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>		<b>38.05</b>		<b>0.00</b>		<b>38.09</b>

### 3.7 Insulator Washing - 2 - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.20	0.00	0.05	0.00	0.05	0.00	0.00	0.00		38.05		0.00		38.09
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>38.05</b>		<b>0.00</b>		<b>38.09</b>

### 3.8 ROW Repair - 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					0.08	0.00	0.08	0.00	0.00	0.00						0.00
Off-Road	1.81	12.52	11.36	0.02		0.78	0.78		0.78	0.78		1,815.72		0.16		1,819.10
<b>Total</b>	<b>1.81</b>	<b>12.52</b>	<b>11.36</b>	<b>0.02</b>	<b>0.08</b>	<b>0.78</b>	<b>0.86</b>	<b>0.00</b>	<b>0.78</b>	<b>0.78</b>		<b>1,815.72</b>		<b>0.16</b>		<b>1,819.10</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.05	0.49	0.00	14.16	0.00	14.16	1.40	0.00	1.41		95.12		0.01		95.22
<b>Total</b>	<b>0.04</b>	<b>0.05</b>	<b>0.49</b>	<b>0.00</b>	<b>14.16</b>	<b>0.00</b>	<b>14.16</b>	<b>1.40</b>	<b>0.00</b>	<b>1.41</b>		<b>95.12</b>		<b>0.01</b>		<b>95.22</b>

### 3.8 ROW Repair - 2016

#### 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					0.04	0.00	0.04	0.00	0.00	0.00						0.00
Off-Road	1.81	12.52	11.36	0.02		0.78	0.78		0.78	0.78	0.00	1,815.72		0.16		1,819.10
<b>Total</b>	<b>1.81</b>	<b>12.52</b>	<b>11.36</b>	<b>0.02</b>	<b>0.04</b>	<b>0.78</b>	<b>0.82</b>	<b>0.00</b>	<b>0.78</b>	<b>0.78</b>	<b>0.00</b>	<b>1,815.72</b>		<b>0.16</b>		<b>1,819.10</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.05	0.49	0.00	0.12	0.00	0.12	0.00	0.00	0.01		95.12		0.01		95.22
<b>Total</b>	<b>0.04</b>	<b>0.05</b>	<b>0.49</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>		<b>95.12</b>		<b>0.01</b>		<b>95.22</b>

### 3.9 Tree Trimming - 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					
Off-Road	1.16	8.65	3.76	0.01		0.32	0.32		0.32	0.32		1,314.62		0.10		1,316.79
<b>Total</b>	<b>1.16</b>	<b>8.65</b>	<b>3.76</b>	<b>0.01</b>		<b>0.32</b>	<b>0.32</b>		<b>0.32</b>	<b>0.32</b>		<b>1,314.62</b>		<b>0.10</b>		<b>1,316.79</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.20	0.00	5.66	0.00	5.66	0.56	0.00	0.56		38.05		0.00		38.09
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>5.66</b>	<b>0.00</b>	<b>5.66</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>		<b>38.05</b>		<b>0.00</b>		<b>38.09</b>

### 3.9 Tree Trimming - 2016

#### 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	1.16	8.65	3.76	0.01		0.32	0.32		0.32	0.32	0.00	1,314.62		0.10		1,316.79
<b>Total</b>	<b>1.16</b>	<b>8.65</b>	<b>3.76</b>	<b>0.01</b>		<b>0.32</b>	<b>0.32</b>		<b>0.32</b>	<b>0.32</b>	<b>0.00</b>	<b>1,314.62</b>		<b>0.10</b>		<b>1,316.79</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.20	0.00	0.05	0.00	0.05	0.00	0.00	0.00		38.05		0.00		38.09
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>38.05</b>		<b>0.00</b>		<b>38.09</b>



### 3.10 Pole Brushing - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.03	0.29	0.00	8.49	0.00	8.50	0.84	0.00	0.84		57.07		0.00		57.13
<b>Total</b>	<b>0.02</b>	<b>0.03</b>	<b>0.29</b>	<b>0.00</b>	<b>8.49</b>	<b>0.00</b>	<b>8.50</b>	<b>0.84</b>	<b>0.00</b>	<b>0.84</b>		<b>57.07</b>		<b>0.00</b>		<b>57.13</b>

### 3.10 Pole Brushing - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.03	0.29	0.00	0.07	0.00	0.07	0.00	0.00	0.00		57.07		0.00		57.13
<b>Total</b>	<b>0.02</b>	<b>0.03</b>	<b>0.29</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>57.07</b>		<b>0.00</b>		<b>57.13</b>

## 4.0 Mobile Detail

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### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 %		
	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00

### 5.0 Energy Detail

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

## 7.0 Water Detail

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Vegetation**

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# CalEEMod - Winter Operations Output



**SDG&E Wind Interconnect Operations  
San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric
User Defined Industrial	63	User Defined Unit

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Utility Company</b>	San Diego Gas & Electric
<b>Climate Zone</b>	13	<b>Precipitation Freq (Days)</b>	40		

**1.3 User Entered Comments**

- Project Characteristics -
- Land Use - Permanent Land/ROW acreage
- Construction Phase - Assumptions based on project description
- Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for phase)
- Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)
- Off-road Equipment - Assumptions based on project description
- Off-road Equipment - Assumptions based on project description (i.e., water truck for staging area and helicopter modeled as Other General Industrial Equipment with increased HP)

Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for phase)  
Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)  
Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)  
Off-road Equipment - Assumptions based on project description  
Off-road Equipment - Assumptions based on project description (Other Material Handling Equipment used for chipper trailer)  
Trips and VMT - Added 10.4 miles to worker triplength to account for commute plus travel along the line  
On-road Fugitive Dust - Adjusted to match proportion of paved roads in project description  
Grading - ROW repair assumed to disturb 2 acres per year  
Construction Off-road Equipment Mitigation -

## **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	4.30	30.13	14.77	0.05	56.63	1.10	57.73	5.61	1.10	6.71	0.00	6,061.87	0.00	0.39	0.00	6,070.01
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</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	4.30	30.13	14.77	0.05	0.47	1.10	1.57	0.01	1.10	1.11	0.00	6,061.87	0.00	0.39	0.00	6,070.01
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 3.0 Construction Detail

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Application of Herbicides - 1 - 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.09	0.00	2.83	0.00	2.83	0.28	0.00	0.28		17.54		0.00		17.56
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.09</b>	<b>0.00</b>	<b>2.83</b>	<b>0.00</b>	<b>2.83</b>	<b>0.28</b>	<b>0.00</b>	<b>0.28</b>		<b>17.54</b>		<b>0.00</b>		<b>17.56</b>

### 3.2 Application of Herbicides - 1 - 2016

#### 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00		17.54		0.00		17.56
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.09</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>17.54</b>		<b>0.00</b>		<b>17.56</b>

### 3.3 Insulator Washing - 1 - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.18	0.00	5.66	0.00	5.66	0.56	0.00	0.56		35.09		0.00		35.13
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.18</b>	<b>0.00</b>	<b>5.66</b>	<b>0.00</b>	<b>5.66</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>		<b>35.09</b>		<b>0.00</b>		<b>35.13</b>

### 3.3 Insulator Washing - 1 - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.18	0.00	0.05	0.00	0.05	0.00	0.00	0.00		35.09		0.00		35.13
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.18</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>35.09</b>		<b>0.00</b>		<b>35.13</b>



### 3.4 Helicopter Inspection - 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					
Off-Road	2.31	18.61	7.09	0.03		0.64	0.64		0.64	0.64		3,379.69		0.21		3,384.06
<b>Total</b>	<b>2.31</b>	<b>18.61</b>	<b>7.09</b>	<b>0.03</b>		<b>0.64</b>	<b>0.64</b>		<b>0.64</b>	<b>0.64</b>		<b>3,379.69</b>		<b>0.21</b>		<b>3,384.06</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.14	1.17	0.00	36.81	0.01	36.82	3.65	0.01	3.66		228.05		0.01		228.32
<b>Total</b>	<b>0.12</b>	<b>0.14</b>	<b>1.17</b>	<b>0.00</b>	<b>36.81</b>	<b>0.01</b>	<b>36.82</b>	<b>3.65</b>	<b>0.01</b>	<b>3.66</b>		<b>228.05</b>		<b>0.01</b>		<b>228.32</b>

### 3.4 Helicopter Inspection - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.31	18.61	7.09	0.03		0.64	0.64		0.64	0.64	0.00	3,379.69		0.21		3,384.06
<b>Total</b>	<b>2.31</b>	<b>18.61</b>	<b>7.09</b>	<b>0.03</b>		<b>0.64</b>	<b>0.64</b>		<b>0.64</b>	<b>0.64</b>	<b>0.00</b>	<b>3,379.69</b>		<b>0.21</b>		<b>3,384.06</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.14	1.17	0.00	0.30	0.01	0.32	0.00	0.01	0.02		228.05		0.01		228.32
<b>Total</b>	<b>0.12</b>	<b>0.14</b>	<b>1.17</b>	<b>0.00</b>	<b>0.30</b>	<b>0.01</b>	<b>0.32</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>228.05</b>		<b>0.01</b>		<b>228.32</b>

### 3.5 Equipment Repair or Replacement - 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					
Off-Road	1.82	11.30	5.89	0.02		0.45	0.45		0.45	0.45		2,331.34		0.16		2,334.70
<b>Total</b>	<b>1.82</b>	<b>11.30</b>	<b>5.89</b>	<b>0.02</b>		<b>0.45</b>	<b>0.45</b>		<b>0.45</b>	<b>0.45</b>		<b>2,331.34</b>		<b>0.16</b>		<b>2,334.70</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.04	0.36	0.00	11.33	0.00	11.33	1.12	0.00	1.13		70.17		0.00		70.25
<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.36</b>	<b>0.00</b>	<b>11.33</b>	<b>0.00</b>	<b>11.33</b>	<b>1.12</b>	<b>0.00</b>	<b>1.13</b>		<b>70.17</b>		<b>0.00</b>		<b>70.25</b>

### 3.5 Equipment Repair or Replacement - 2016

#### 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	1.82	11.30	5.89	0.02		0.45	0.45		0.45	0.45	0.00	2,331.34		0.16		2,334.70
<b>Total</b>	<b>1.82</b>	<b>11.30</b>	<b>5.89</b>	<b>0.02</b>		<b>0.45</b>	<b>0.45</b>		<b>0.45</b>	<b>0.45</b>	<b>0.00</b>	<b>2,331.34</b>		<b>0.16</b>		<b>2,334.70</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.04	0.36	0.00	0.09	0.00	0.10	0.00	0.00	0.00		70.17		0.00		70.25
<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.36</b>	<b>0.00</b>	<b>0.09</b>	<b>0.00</b>	<b>0.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>70.17</b>		<b>0.00</b>		<b>70.25</b>

### 3.6 Application of Herbicides - 2 - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.09	0.00	2.83	0.00	2.83	0.28	0.00	0.28		17.54		0.00		17.56
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.09</b>	<b>0.00</b>	<b>2.83</b>	<b>0.00</b>	<b>2.83</b>	<b>0.28</b>	<b>0.00</b>	<b>0.28</b>		<b>17.54</b>		<b>0.00</b>		<b>17.56</b>

### 3.6 Application of Herbicides - 2 - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00		17.54		0.00		17.56
<b>Total</b>	<b>0.01</b>	<b>0.01</b>	<b>0.09</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>17.54</b>		<b>0.00</b>		<b>17.56</b>

### 3.7 Insulator Washing - 2 - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.18	0.00	5.66	0.00	5.66	0.56	0.00	0.56		35.09		0.00		35.13
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.18</b>	<b>0.00</b>	<b>5.66</b>	<b>0.00</b>	<b>5.66</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>		<b>35.09</b>		<b>0.00</b>		<b>35.13</b>

### 3.7 Insulator Washing - 2 - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.18	0.00	0.05	0.00	0.05	0.00	0.00	0.00		35.09		0.00		35.13
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.18</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>35.09</b>		<b>0.00</b>		<b>35.13</b>



### 3.8 ROW Repair - 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					0.08	0.00	0.08	0.00	0.00	0.00						0.00
Off-Road	1.81	12.52	11.36	0.02		0.78	0.78		0.78	0.78		1,815.72		0.16		1,819.10
<b>Total</b>	<b>1.81</b>	<b>12.52</b>	<b>11.36</b>	<b>0.02</b>	<b>0.08</b>	<b>0.78</b>	<b>0.86</b>	<b>0.00</b>	<b>0.78</b>	<b>0.78</b>		<b>1,815.72</b>		<b>0.16</b>		<b>1,819.10</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.05	0.45	0.00	14.16	0.00	14.16	1.40	0.00	1.41		87.71		0.00		87.81
<b>Total</b>	<b>0.04</b>	<b>0.05</b>	<b>0.45</b>	<b>0.00</b>	<b>14.16</b>	<b>0.00</b>	<b>14.16</b>	<b>1.40</b>	<b>0.00</b>	<b>1.41</b>		<b>87.71</b>		<b>0.00</b>		<b>87.81</b>

### 3.8 ROW Repair - 2016

#### 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					0.04	0.00	0.04	0.00	0.00	0.00						0.00
Off-Road	1.81	12.52	11.36	0.02		0.78	0.78		0.78	0.78	0.00	1,815.72		0.16		1,819.10
<b>Total</b>	<b>1.81</b>	<b>12.52</b>	<b>11.36</b>	<b>0.02</b>	<b>0.04</b>	<b>0.78</b>	<b>0.82</b>	<b>0.00</b>	<b>0.78</b>	<b>0.78</b>	<b>0.00</b>	<b>1,815.72</b>		<b>0.16</b>		<b>1,819.10</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.05	0.45	0.00	0.12	0.00	0.12	0.00	0.00	0.01		87.71		0.00		87.81
<b>Total</b>	<b>0.04</b>	<b>0.05</b>	<b>0.45</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>		<b>87.71</b>		<b>0.00</b>		<b>87.81</b>

### 3.9 Tree Trimming - 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					
Off-Road	1.16	8.65	3.76	0.01		0.32	0.32		0.32	0.32		1,314.62		0.10		1,316.79
<b>Total</b>	<b>1.16</b>	<b>8.65</b>	<b>3.76</b>	<b>0.01</b>		<b>0.32</b>	<b>0.32</b>		<b>0.32</b>	<b>0.32</b>		<b>1,314.62</b>		<b>0.10</b>		<b>1,316.79</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.18	0.00	5.66	0.00	5.66	0.56	0.00	0.56		35.09		0.00		35.13
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.18</b>	<b>0.00</b>	<b>5.66</b>	<b>0.00</b>	<b>5.66</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>		<b>35.09</b>		<b>0.00</b>		<b>35.13</b>

### 3.9 Tree Trimming - 2016

#### 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	1.16	8.65	3.76	0.01		0.32	0.32		0.32	0.32	0.00	1,314.62		0.10		1,316.79
<b>Total</b>	<b>1.16</b>	<b>8.65</b>	<b>3.76</b>	<b>0.01</b>		<b>0.32</b>	<b>0.32</b>		<b>0.32</b>	<b>0.32</b>	<b>0.00</b>	<b>1,314.62</b>		<b>0.10</b>		<b>1,316.79</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.18	0.00	0.05	0.00	0.05	0.00	0.00	0.00		35.09		0.00		35.13
<b>Total</b>	<b>0.02</b>	<b>0.02</b>	<b>0.18</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>35.09</b>		<b>0.00</b>		<b>35.13</b>

### 3.10 Pole Brushing - 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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.03	0.27	0.00	8.49	0.00	8.50	0.84	0.00	0.84		52.63		0.00		52.69
<b>Total</b>	<b>0.03</b>	<b>0.03</b>	<b>0.27</b>	<b>0.00</b>	<b>8.49</b>	<b>0.00</b>	<b>8.50</b>	<b>0.84</b>	<b>0.00</b>	<b>0.84</b>		<b>52.63</b>		<b>0.00</b>		<b>52.69</b>

### 3.10 Pole Brushing - 2016

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

#### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.03	0.27	0.00	0.07	0.00	0.07	0.00	0.00	0.00		52.63		0.00		52.69
<b>Total</b>	<b>0.03</b>	<b>0.03</b>	<b>0.27</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>52.63</b>		<b>0.00</b>		<b>52.69</b>

## 4.0 Mobile Detail

### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 %		
	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00

### 5.0 Energy Detail

#### 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

## 7.0 Water Detail

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Vegetation**

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# CalEEMod - Annual Operations Output

**SDG&E Wind Interconnect Operations**  
**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric
User Defined Industrial	63	User Defined Unit

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Utility Company</b>	San Diego Gas & Electric
<b>Climate Zone</b>	13	<b>Precipitation Freq (Days)</b>	40		

**1.3 User Entered Comments**

- Project Characteristics -
- Land Use - Permanent Land/ROW acreage
- Construction Phase - Assumptions based on project description
- Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for phase)
- Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)
- Off-road Equipment - Assumptions based on project description
- Off-road Equipment - Assumptions based on project description (i.e., water truck for staging area and helicopter modeled as Other General Industrial Equipment with increased HP)

Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for phase)  
Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)  
Off-road Equipment - Assumptions based on project description (i.e., no offroad equipment for this phase)  
Off-road Equipment - Assumptions based on project description  
Off-road Equipment - Assumptions based on project description (Other Material Handling Equipment used for chipper trailer)  
Trips and VMT - Added 10.4 miles to worker triplength to account for commute plus travel along the line  
On-road Fugitive Dust - Adjusted to match proportion of paved roads in project description  
Grading - ROW repair assumed to disturb 2 acres per year  
Construction Off-road Equipment Mitigation -

## **2.0 Emissions Summary**

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## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.08	0.56	0.35	0.00	0.74	0.03	0.77	0.07	0.03	0.10	0.00	88.91	88.91	0.01	0.00	89.06
<b>Total</b>	<b>0.08</b>	<b>0.56</b>	<b>0.35</b>	<b>0.00</b>	<b>0.74</b>	<b>0.03</b>	<b>0.77</b>	<b>0.07</b>	<b>0.03</b>	<b>0.10</b>	<b>0.00</b>	<b>88.91</b>	<b>88.91</b>	<b>0.01</b>	<b>0.00</b>	<b>89.06</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.08	0.56	0.35	0.00	0.01	0.03	0.03	0.00	0.03	0.03	0.00	88.91	88.91	0.01	0.00	89.06
<b>Total</b>	<b>0.08</b>	<b>0.56</b>	<b>0.35</b>	<b>0.00</b>	<b>0.01</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>88.91</b>	<b>88.91</b>	<b>0.01</b>	<b>0.00</b>	<b>89.06</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>



## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 3.0 Construction Detail

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### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Application of Herbicides - 1 - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.11
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>

### 3.2 Application of Herbicides - 1 - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.11	0.11
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>	<b>0.11</b>

### 3.3 Insulator Washing - 1 - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.01	0.00	0.01	0.00	0.42	0.42	0.00	0.00	0.42
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.07</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.42</b>	<b>0.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>

### 3.3 Insulator Washing - 1 - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.42	0.00	0.00	0.42
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>	<b>0.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>

### 3.4 Helicopter Inspection - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.04	0.01	0.00		0.00	0.00		0.00	0.00	0.00	6.13	6.13	0.00	0.00	6.14
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6.13</b>	<b>6.13</b>	<b>0.00</b>	<b>0.00</b>	<b>6.14</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.01	0.00	0.01	0.00	0.42	0.42	0.00	0.00	0.42
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.07</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.42</b>	<b>0.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>

### 3.4 Helicopter Inspection - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.04	0.01	0.00		0.00	0.00		0.00	0.00	0.00	6.13	6.13	0.00	0.00	6.14
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6.13</b>	<b>6.13</b>	<b>0.00</b>	<b>0.00</b>	<b>6.14</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.42	0.00	0.00	0.42
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>	<b>0.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>

### 3.5 Equipment Repair or Replacement - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.14	0.07	0.00		0.01	0.01		0.01	0.01	0.00	26.43	26.43	0.00	0.00	26.47
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.07</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>26.43</b>	<b>26.43</b>	<b>0.00</b>	<b>0.00</b>	<b>26.47</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	0.81	0.81	0.00	0.00	0.81
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>	<b>0.13</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.81</b>	<b>0.81</b>	<b>0.00</b>	<b>0.00</b>	<b>0.81</b>



### 3.5 Equipment Repair or Replacement - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.14	0.07	0.00		0.01	0.01		0.01	0.01	0.00	26.43	26.43	0.00	0.00	26.47
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.07</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>26.43</b>	<b>26.43</b>	<b>0.00</b>	<b>0.00</b>	<b>26.47</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.00	0.00	0.81
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.81</b>	<b>0.81</b>	<b>0.00</b>	<b>0.00</b>	<b>0.81</b>

### 3.6 Application of Herbicides - 2 - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.11
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>

### 3.6 Application of Herbicides - 2 - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.11
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.11</b>

### 3.7 Insulator Washing - 2 - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.01	0.00	0.01	0.00	0.42	0.42	0.00	0.00	0.42
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.07</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.42</b>	<b>0.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>

### 3.7 Insulator Washing - 2 - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.42	0.00	0.00	0.42
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>	<b>0.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.42</b>

### 3.8 ROW Repair - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.16	0.14	0.00		0.01	0.01		0.01	0.01	0.00	20.58	20.58	0.00	0.00	20.62
<b>Total</b>	<b>0.02</b>	<b>0.16</b>	<b>0.14</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>20.58</b>	<b>20.58</b>	<b>0.00</b>	<b>0.00</b>	<b>20.62</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.16	0.00	0.16	0.02	0.00	0.02	0.00	1.01	1.01	0.00	0.00	1.01
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.16</b>	<b>0.00</b>	<b>0.16</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>1.01</b>	<b>1.01</b>	<b>0.00</b>	<b>0.00</b>	<b>1.01</b>

### 3.8 ROW Repair - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.16	0.14	0.00		0.01	0.01		0.01	0.01	0.00	20.58	20.58	0.00	0.00	20.62
<b>Total</b>	<b>0.02</b>	<b>0.16</b>	<b>0.14</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>20.58</b>	<b>20.58</b>	<b>0.00</b>	<b>0.00</b>	<b>20.62</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.00	0.00	1.01
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.01</b>	<b>1.01</b>	<b>0.00</b>	<b>0.00</b>	<b>1.01</b>

### 3.9 Tree Trimming - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.22	0.10	0.00		0.01	0.01		0.01	0.01	0.00	31.00	31.00	0.00	0.00	31.05
<b>Total</b>	<b>0.03</b>	<b>0.22</b>	<b>0.10</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>31.00</b>	<b>31.00</b>	<b>0.00</b>	<b>0.00</b>	<b>31.05</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	0.84	0.84	0.00	0.00	0.84
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>	<b>0.13</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.84</b>	<b>0.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.84</b>



### 3.9 Tree Trimming - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.22	0.10	0.00		0.01	0.01		0.01	0.01	0.00	31.00	31.00	0.00	0.00	31.05
<b>Total</b>	<b>0.03</b>	<b>0.22</b>	<b>0.10</b>	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>31.00</b>	<b>31.00</b>	<b>0.00</b>	<b>0.00</b>	<b>31.05</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.00	0.00	0.84
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.84</b>	<b>0.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.84</b>

### 3.10 Pole Brushing - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.01	0.00	0.01	0.00	0.63	0.63	0.00	0.00	0.63
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.10</b>	<b>0.00</b>	<b>0.10</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.63</b>	<b>0.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.63</b>

### 3.10 Pole Brushing - 2016

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.00	0.00	0.63
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.63</b>	<b>0.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.63</b>

## 4.0 Mobile Detail

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 %		
	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00

### 5.0 Energy Detail

#### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 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	tons/yr										MT/yr					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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	tons/yr										MT/yr						
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 5.3 Energy by Land Use - Electricity

### Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 6.0 Area Detail

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### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 7.0 Water Detail



### 7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					0.00	0.00	0.00	0.00
Unmitigated					0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
User Defined Industrial	0 / 0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
User Defined Industrial	0 / 0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					0.00	0.00	0.00	0.00
Unmitigated					0.00	0.00	0.00	0.00
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
User Defined Industrial	0					0.00	0.00	0.00	0.00
<b>Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 9.0 Vegetation

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# CalEEMod - Model Operations Input

tblProjectCharacteristics

Project Name	Location Scope	EMFAC_ID	Wind Speed	Precipitation Frequency	Climate Zone	Urbanization Level	Operational Year	Utility Company	CO2 Intensity Factor	CH4 Intensity Factor	N2O Intensity Factor	Total Population	Total Lot Acreage	Using Historical Energy UseData
SDG&E Wind Interconnect Operations	AD	SDAPCD	2.6	40	13	Urban	2016	San Diego Gas & Electric	780.79	0.029	0.011	0	63	0

## tblPollutants

PollutantSelection	PollutantFullName	PollutantName
1	Reactive Organic Gases (ROG)	ROG
1	Nitrogen Oxides (NOx)	NOX
1	Carbon Monoxide (CO)	CO
1	Sulfur Dioxide (SO2)	SO2
1	Particulate Matter 10um (PM10)	PM10
1	Particulate Matter 2.5um (PM2.5)	PM2_5
1	Fugitive PM10um (PM10)	PM10_FUG
1	Fugitive PM2.5um (PM2.5)	PM25_FUG
1	Total Organic Gases (TOG)	TOG
1	Lead (Pb)	PB
1	Biogenic Carbon Dioxide (CO2)	CO2_BIO
1	Non-Biogenic Carbon Dioxide (CO2)	CO2_NBIO
1	Carbon Dioxide (CO2)	CO2
1	Methane (CH4)	CH4
1	Nitrous Oxide (N2O)	N2O
1	CO2 Equivalent GHGs (CO2e)	CO2E

tblLandUse

LandUseType	LandUseSubType	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet	Population
Industrial	User Defined Industrial	63	User Defined Unit	63	0	0

## tblConstructionPhase

PhaseNumber	PhaseName	PhaseType	PhaseStartDate	PhaseEndDate	NumDaysWeek	NumDays	PhaseDescription
1	Application of Herbicides - 1	Site Preparation	2016/01/01	2016/01/19	5	13	
2	Insulator Washing - 1	Site Preparation	2016/01/01	2016/02/05	5	26	
3	Helicopter Inspection	Site Preparation	2016/01/01	2016/01/06	5	4	
4	Equipment Repair or Replacement	Building Construction	2016/01/01	2016/02/04	5	25	
5	Application of Herbicides - 2	Site Preparation	2016/06/01	2016/06/17	5	13	
6	Insulator Washing - 2	Site Preparation	2016/06/01	2016/07/06	5	26	
7	ROW Repair	Grading	2016/06/01	2016/07/05	5	25	
8	Tree Trimming	Site Preparation	2016/07/27	2016/10/06	5	52	
9	Pole Brushing	Site Preparation	2016/09/01	2016/10/06	5	26	



## tblOffRoadEquipment

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitAmount	UsageHours	HorsePower	LoadFactor
Application of Herbicides - 1	Rubber Tired Dozers	0	0	358	0.59
Insulator Washing - 1	Tractors/Loaders/Backhoes	0	0	75	0.55
Helicopter Inspection	Off-Highway Trucks	1	4	75	0.55
Helicopter Inspection	Other General Industrial Equipment	1	6	500	0.9
Equipment Repair or Replacement	Aerial Lifts	1	8	34	0.46
Equipment Repair or Replacement	Off-Highway Trucks	1	8	381	0.57
Application of Herbicides - 2	Tractors/Loaders/Backhoes	0	0	75	0.55
Insulator Washing - 2	Tractors/Loaders/Backhoes	0	0	75	0.55
ROW Repair	Graders	1	8	162	0.61
ROW Repair	Tractors/Loaders/Backhoes	2	8	75	0.55
Tree Trimming	Aerial Lifts	1	8	34	0.46
Tree Trimming	Other Material Handling Equipment	1	8	196	0.59
Pole Brushing	Tractors/Loaders/Backhoes	0	0	75	0.55

## tblTripsAndVMT

PhaseName	WorkerTripNumber	VendorTripNumber	HaulingTripNumber	WorkerTripLength	VendorTripLength	HaulingTripLength	WorkerVehicleClass	VendorVehicleClass	HaulingVehicleClass
Application of Herbicides -	1	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Insulator Washing - 1	2	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Helicopter Inspection	13	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Equipment Repair or	4	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Application of Herbicides -	1	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Insulator Washing - 2	2	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
ROW Repair	5	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Tree Trimming	2	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT
Pole Brushing	3	0	0	21.2	7.3	20	LD_Mix	HDT_Mix	HHDT

## tblOnRoadDust

PhaseName	WorkerPercentPave	VendorPercentPave	HaulingPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	AverageVehicleWeight	MeanVehicleSpeed
Application of Herbicides - 1	91	100	100	0.1	8.5	0.5	2.4	40
Insulator Washing - 1	91	100	100	0.1	8.5	0.5	2.4	40
Helicopter Inspection	91	100	100	0.1	8.5	0.5	2.4	40
Equipment Repair or Replacement	91	100	100	0.1	8.5	0.5	2.4	40
Application of Herbicides - 2	91	100	100	0.1	8.5	0.5	2.4	40
Insulator Washing - 2	91	100	100	0.1	8.5	0.5	2.4	40
ROW Repair	91	100	100	0.1	8.5	0.5	2.4	40
Tree Trimming	91	100	100	0.1	8.5	0.5	2.4	40
Pole Brushing	91	100	100	0.1	8.5	0.5	2.4	40

tblDemolition

PhaseName DemolitionSizeMetric DemolitionUnitAmount

tblGrading

PhaseName	MaterialImported	MaterialExported	GradingSizeMetric	ImportExportPhased	MeanVehicleSpeed	AcresOfGrading	MaterialMoistureContentBulldozing	MaterialMoistureContentTruckLoading	MaterialSiltContent
Application of Herbicides - 1	0	0		0	7.1	0	7.9	12	6.9
ROW Repair	0	0		0	7.1	2	7.9	12	6.9

tblArchitecturalCoating

PhaseName	ArchitecturalCoatingStartDate	ArchitecturalCoatingEndDate	EF_Residential_Interior	ConstArea_Residential_Interior	EF_Residential_Exterior
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tblArchitecturalCoating

ConstArea\_Residential\_Exterior EF\_Nonresidential\_Interior ConstArea\_Nonresidential\_Interior EF\_Nonresidential\_Exterior ConstArea\_Nonresidential\_Exterior

tblPaving

ParkingLotAcreage



tblVehicleTrips

VehicleTripsLandUseSubType	VehicleTripsLandUseSizeMetric	WD_TR	ST_TR	SU_TR	HW_TL	HS_TL	HO_TL	CC_TL	CW_TL	CNW_TL	PR_TP	DV_TP	PB_TP	HW_TTP	HS_TTP	HO_TTP	CC_TTP	CW_TTP	CNW_TTP
User Defined Industrial	User Defined Unit	0	0	0	0	0	0	7.3	9.5	7.3	0	0	0	0	0	0	0	0	0

## tblVehicleEF

Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	FleetMix	0.498983	0.089317	0.239285	0.097396	0.019978	0.00557	0.01326	0.018994	0.001138	0.001415	0.00911	0.00114	0.004414
A	CH4_IDLEX	0	0	0	0	0.0014	0.0013	0.0009	0.1	0.0012	0	0	0.03	0
A	CH4_RUNEX	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.22	0.03	0.03
A	CH4_STREX	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.07	0.04	0.04	0.13	0.03	0.03
A	CO_IDLEX	0	0	0	0	0.2	0.18	0.13	10.2	0.17	0	0	5.22	0
A	CO_RUNEX	1.56	1.78	2.1	2.69	2.62	1.63	2.4	3.47	3.95	4.82	30.79	7.05	5.13
A	CO_STREX	3.98	3.82	4.93	6.03	4.56	3.17	4.81	19.17	11.38	8.29	9.94	6.36	9.58
A	CO2_IDLEX	0	0	0	0	7.8647	8.4051	12.3134	1470.9977	11.0106	0	0	534.4749	0
A	CO2_RUNEX	317.9482	402.019	424.764	584.7321	836.1242	733.1684	1325.7073	1743.1181	1198.2598	2153.7545	161.8305	1361.5957	745.4625
A	CO2_STREX	61.8758	76.2736	81.3688	111.7856	36.6121	29.7702	11.0878	11.8405	19.5702	31.2563	43.4925	16.8585	32.3854
A	NOX_IDLEX	0	0	0	0	0.02	0.05	0.18	27.21	0.12	0	0	8.73	0
A	NOX_RUNEX	0.15	0.18	0.25	0.34	1.04	1.84	4.15	8.23	3.22	13.56	1.14	9.24	1.36
A	NOX_STREX	0.23	0.24	0.46	0.57	1.49	1.2	0.58	2.26	1.6	1.37	0.3	0.43	0.97
A	PM10_IDLEX	0	0	0	0	0.0002	0.0006	0.0022	0.23	0.0016	0	0	0.1	0
A	PM10_PMBW	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.0063	0.01	0.01
A	PM10_PMTW	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.03	0.01	0.0089	0.004	0.01	0.01
A	PM10_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.17	0.35	0.11	0.23	0.02	0.4	0.01
A	PM10_STREX	0.0072	0.008	0.01	0.01	0.0022	0.0019	0.001	0.0015	0.0023	0.0027	0.01	0.0012	0.0009
A	PM25_IDLEX	0	0	0	0	0.0002	0.0006	0.002	0.21	0.0014	0	0	0.09	0
A	PM25_PMBW	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.01	0.0054	0.0054	0.0027	0.0054	0.0054
A	PM25_PMTW	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.0089	0.003	0.0022	0.001	0.003	0.003
A	PM25_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.16	0.32	0.11	0.21	0.02	0.37	0.01
A	PM25_STREX	0.0067	0.0074	0.01	0.01	0.0021	0.0017	0.001	0.0014	0.0021	0.0025	0.0089	0.001	0.0008
A	ROG_DIURN	0.08	0.07	0.09	0.08	0.0019	0.0013	0.0005	0.0006	0.0007	0.0028	0.83	0.0059	1.15
A	ROG_HTSK	0.15	0.16	0.18	0.16	0.04	0.03	0.01	0.01	0.02	0.06	0.35	0.04	0.07
A	ROG_IDLEX	0	0	0	0	0.03	0.02	0.01	2.21	0.02	0	0	0.72	0
A	ROG_RESTL	0.06	0.07	0.08	0.08	0.0009	0.0006	0.0003	0.0004	0.0004	0.0023	0.52	0.0028	0.53
A	ROG_RUNEX	0.05	0.04	0.05	0.08	0.25	0.19	0.19	0.67	0.26	0.79	3.05	0.6	0.2
A	ROG_RUNLS	0.062002	0.1026	0.124855	0.105162	0.356221	0.227664	0.079149	0.009448	0.153639	0.010545	0.281676	0.028001	0.015491
A	ROG_STREX	0.32	0.26	0.36	0.5	0.39	0.3	0.32	1.28	0.7	0.83	2.12	0.49	0.56
A	SO2_IDLEX	0	0	0	0	0.0001	0.0001	0.0001	0.01	0.0001	0	0	0.0053	0
A	SO2_RUNEX	0.0037	0.0046	0.0046	0.0063	0.0084	0.0073	0.01	0.01	0.01	0.02	0.0022	0.01	0.0075
A	SO2_STREX	0.0008	0.0009	0.0009	0.0013	0.0004	0.0004	0.0002	0.0004	0.0004	0.0005	0.0006	0.0003	0.0005
A	TOG_DIURN	0.08	0.07	0.09	0.08	0.0019	0.0013	0.0005	0.0006	0.0007	0.0028	0.83	0.0059	1.15
A	TOG_HTSK	0.15	0.16	0.18	0.16	0.04	0.03	0.01	0.01	0.02	0.06	0.35	0.04	0.07
A	TOG_IDLEX	0	0	0	0	0.03	0.03	0.02	2.52	0.02	0	0	0.79	0
A	TOG_RESTL	0.06	0.07	0.08	0.08	0.0009	0.0006	0.0003	0.0004	0.0004	0.0023	0.52	0.0028	0.53
A	TOG_RUNEX	0.07	0.06	0.07	0.12	0.28	0.22	0.22	0.76	0.3	0.88	3.33	0.67	0.24
A	TOG_RUNLS	0.062002	0.1026	0.124855	0.105162	0.356221	0.227664	0.079149	0.009448	0.153639	0.010545	0.281676	0.028001	0.015491
A	TOG_STREX	0.34	0.28	0.38	0.54	0.42	0.32	0.35	1.37	0.74	0.89	2.28	0.53	0.59
S	FleetMix	0.498983	0.089317	0.239285	0.097396	0.019978	0.00557	0.01326	0.018994	0.001138	0.001415	0.00911	0.00114	0.004414
S	CH4_IDLEX	0	0	0	0	0.0014	0.0013	0.0009	0.09	0.0012	0	0	0.03	0

## tblVehicleEF

S	CH4_RUNEX	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.22	0.03	0.03
S	CH4_STREX	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.06	0.03	0.04	0.11	0.02	0.02
S	CO_IDLEX	0	0	0	0	0.2	0.18	0.13	7.41	0.17	0	0	5.22	0
S	CO_RUNEX	1.74	1.95	2.32	2.95	2.67	1.65	2.42	3.49	4.01	4.82	29.62	6.94	5.25
S	CO_STREX	3.02	2.92	3.75	4.6	3.6	2.52	3.93	15.41	9.2	7.03	8.77	5.49	7.52
S	CO2_IDLEX	0	0	0	0	7.8647	8.4051	12.3134	1554.8273	11.0106	0	0	534.4749	0
S	CO2_RUNEX	339.4773	427.7845	452.4692	622.8399	836.1242	733.1684	1325.7073	1743.1181	1198.2598	2153.7545	161.8305	1361.5957	745.4625
S	CO2_STREX	61.8758	76.2736	81.3688	111.7856	36.6121	29.7702	11.0878	11.8405	19.5702	31.2563	43.4925	16.8585	32.3854
S	NOX_IDLEX	0	0	0	0	0.02	0.05	0.18	28.17	0.12	0	0	8.73	0
S	NOX_RUNEX	0.16	0.18	0.26	0.35	1.08	1.9	4.3	8.5	3.32	14.03	1.16	9.55	1.39
S	NOX_STREX	0.21	0.22	0.42	0.53	1.43	1.15	0.55	2.17	1.53	1.31	0.29	0.41	0.93
S	PM10_IDLEX	0	0	0	0	0.0002	0.0006	0.0022	0.19	0.0016	0	0	0.1	0
S	PM10_PMBW	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.0063	0.01	0.01
S	PM10_PMTW	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.03	0.01	0.0089	0.004	0.01	0.01
S	PM10_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.17	0.35	0.11	0.23	0.02	0.4	0.01
S	PM10_STREX	0.0072	0.008	0.01	0.01	0.0022	0.0019	0.001	0.0015	0.0023	0.0027	0.01	0.0012	0.0009
S	PM25_IDLEX	0	0	0	0	0.0002	0.0006	0.002	0.18	0.0014	0	0	0.09	0
S	PM25_PMBW	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.01	0.0054	0.0054	0.0027	0.0054	0.0054
S	PM25_PMTW	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.0089	0.003	0.0022	0.001	0.003	0.003
S	PM25_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.16	0.32	0.11	0.21	0.02	0.37	0.01
S	PM25_STREX	0.0067	0.0074	0.01	0.01	0.0021	0.0017	0.001	0.0014	0.0021	0.0025	0.0089	0.001	0.0008
S	ROG_DIURN	0.12	0.12	0.15	0.13	0.0029	0.002	0.0008	0.001	0.0012	0.0042	1.42	0.0093	1.77
S	ROG_HTSK	0.16	0.17	0.19	0.18	0.04	0.03	0.01	0.01	0.02	0.07	0.42	0.04	0.07
S	ROG_IDLEX	0	0	0	0	0.03	0.02	0.01	2.08	0.02	0	0	0.72	0
S	ROG_RESTL	0.11	0.12	0.14	0.14	0.0015	0.0011	0.0005	0.0007	0.0007	0.0038	1.09	0.0049	0.87
S	ROG_RUNEX	0.06	0.05	0.05	0.09	0.26	0.19	0.19	0.67	0.26	0.79	2.96	0.6	0.21
S	ROG_RUNLS	0.058449	0.095061	0.11523	0.097475	0.343917	0.219236	0.077951	0.009503	0.150634	0.009668	0.257784	0.025365	0.015113
S	ROG_STREX	0.27	0.21	0.3	0.42	0.34	0.26	0.28	1.11	0.61	0.75	1.84	0.43	0.47
S	SO2_IDLEX	0	0	0	0	0.0001	0.0001	0.0001	0.01	0.0001	0	0	0.0053	0
S	SO2_RUNEX	0.0039	0.0049	0.005	0.0067	0.0084	0.0073	0.01	0.01	0.01	0.02	0.0021	0.01	0.0075
S	SO2_STREX	0.0007	0.0009	0.0009	0.0013	0.0004	0.0003	0.0002	0.0004	0.0004	0.0004	0.0006	0.0003	0.0005
S	TOG_DIURN	0.12	0.12	0.15	0.13	0.0029	0.002	0.0008	0.001	0.0012	0.0042	1.42	0.0093	1.77
S	TOG_HTSK	0.16	0.17	0.19	0.18	0.04	0.03	0.01	0.01	0.02	0.07	0.42	0.04	0.07
S	TOG_IDLEX	0	0	0	0	0.03	0.03	0.02	2.37	0.02	0	0	0.79	0
S	TOG_RESTL	0.11	0.12	0.14	0.14	0.0015	0.0011	0.0005	0.0007	0.0007	0.0038	1.09	0.0049	0.87
S	TOG_RUNEX	0.08	0.07	0.08	0.12	0.29	0.22	0.22	0.76	0.3	0.89	3.23	0.67	0.25
S	TOG_RUNLS	0.058449	0.095061	0.11523	0.097475	0.343917	0.219236	0.077951	0.009503	0.150634	0.009668	0.257784	0.025365	0.015113
S	TOG_STREX	0.28	0.23	0.32	0.45	0.37	0.28	0.3	1.18	0.65	0.8	1.98	0.46	0.5
W	FleetMix	0.498983	0.089317	0.239285	0.097396	0.019978	0.00557	0.01326	0.018994	0.001138	0.001415	0.00911	0.00114	0.004414
W	CH4_IDLEX	0	0	0	0	0.0014	0.0013	0.0009	0.11	0.0012	0	0	0.03	0
W	CH4_RUNEX	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.22	0.03	0.03
W	CH4_STREX	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.07	0.03	0.04	0.13	0.03	0.03
W	CO_IDLEX	0	0	0	0	0.2	0.18	0.13	14.09	0.17	0	0	5.22	0

## tblVehicleEF

W	CO_RUNEX	1.53	1.75	2.06	2.64	2.62	1.63	2.4	3.47	3.95	4.82	30.96	7.1	5.12
W	CO_STREX	4.02	3.87	4.99	6.1	4.58	3.19	4.77	18.96	11.27	8.31	9.97	6.67	9.46
W	CO2_IDLEX	0	0	0	0	7.8647	8.4051	12.3134	1353.6441	11.0106	0	0	534.4749	0
W	CO2_RUNEX	312.1678	395.1192	417.3528	574.5417	836.1242	733.1684	1325.7073	1743.1181	1198.2598	2153.7545	161.8305	1361.5957	745.4625
W	CO2_STREX	61.8758	76.2736	81.3688	111.7856	36.6121	29.7702	11.0878	11.8405	19.5702	31.2563	43.4925	16.8585	32.3854
W	NOX_IDLEX	0	0	0	0	0.02	0.05	0.18	25.87	0.12	0	0	8.73	0
W	NOX_RUNEX	0.17	0.2	0.29	0.38	1.13	1.98	4.48	8.82	3.51	14.56	1.29	9.91	1.5
W	NOX_STREX	0.23	0.24	0.46	0.58	1.48	1.19	0.58	2.26	1.6	1.38	0.3	0.44	0.97
W	PM10_IDLEX	0	0	0	0	0.0002	0.0006	0.0022	0.28	0.0016	0	0	0.1	0
W	PM10_PMBW	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.0063	0.01	0.01
W	PM10_PMTW	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.03	0.01	0.0089	0.004	0.01	0.01
W	PM10_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.17	0.35	0.11	0.23	0.02	0.4	0.01
W	PM10_STREX	0.0072	0.008	0.01	0.01	0.0022	0.0019	0.001	0.0015	0.0023	0.0027	0.01	0.0012	0.0009
W	PM25_IDLEX	0	0	0	0	0.0002	0.0006	0.002	0.26	0.0014	0	0	0.09	0
W	PM25_PMBW	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.01	0.0054	0.0054	0.0027	0.0054	0.0054
W	PM25_PMTW	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.0089	0.003	0.0022	0.001	0.003	0.003
W	PM25_RUNEX	0.01	0.01	0.03	0.03	0.02	0.03	0.16	0.32	0.11	0.21	0.02	0.37	0.01
W	PM25_STREX	0.0067	0.0074	0.01	0.01	0.0021	0.0017	0.001	0.0014	0.0021	0.0025	0.0089	0.001	0.0008
W	ROG_DIURN	0.07	0.07	0.08	0.07	0.0024	0.0016	0.0007	0.0007	0.0009	0.0032	0.92	0.0079	1.5
W	ROG_HTSK	0.19	0.19	0.22	0.2	0.05	0.04	0.01	0.02	0.02	0.09	0.57	0.06	0.11
W	ROG_IDLEX	0	0	0	0	0.03	0.02	0.01	2.4	0.02	0	0	0.72	0
W	ROG_RESTL	0.07	0.08	0.09	0.09	0.0011	0.0008	0.0004	0.0005	0.0005	0.0029	0.62	0.0039	0.7
W	ROG_RUNEX	0.05	0.04	0.05	0.08	0.25	0.19	0.19	0.67	0.26	0.79	3.06	0.6	0.2
W	ROG_RUNLS	0.072161	0.124529	0.152585	0.127446	0.398321	0.255738	0.085449	0.010078	0.166519	0.012971	0.348194	0.034056	0.016555
W	ROG_STREX	0.32	0.26	0.36	0.51	0.39	0.3	0.32	1.27	0.69	0.83	2.12	0.51	0.55
W	SO2_IDLEX	0	0	0	0	0.0001	0.0001	0.0001	0.01	0.0001	0	0	0.0053	0
W	SO2_RUNEX	0.0036	0.0045	0.0046	0.0062	0.0084	0.0073	0.01	0.01	0.01	0.02	0.0022	0.01	0.0075
W	SO2_STREX	0.0008	0.0009	0.001	0.0013	0.0004	0.0004	0.0002	0.0004	0.0004	0.0005	0.0006	0.0003	0.0005
W	TOG_DIURN	0.07	0.07	0.08	0.07	0.0024	0.0016	0.0007	0.0007	0.0009	0.0032	0.92	0.0079	1.5
W	TOG_HTSK	0.19	0.19	0.22	0.2	0.05	0.04	0.01	0.02	0.02	0.09	0.57	0.06	0.11
W	TOG_IDLEX	0	0	0	0	0.03	0.03	0.02	2.73	0.02	0	0	0.79	0
W	TOG_RESTL	0.07	0.08	0.09	0.09	0.0011	0.0008	0.0004	0.0005	0.0005	0.0029	0.62	0.0039	0.7
W	TOG_RUNEX	0.07	0.06	0.07	0.11	0.28	0.22	0.22	0.76	0.3	0.88	3.34	0.67	0.24
W	TOG_RUNLS	0.072161	0.124529	0.152585	0.127446	0.398321	0.255738	0.085449	0.010078	0.166519	0.012971	0.348194	0.034056	0.016555
W	TOG_STREX	0.35	0.28	0.39	0.54	0.42	0.32	0.34	1.36	0.74	0.89	2.28	0.55	0.59

tblRoadDust

RoadPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	MobileAverageVehicleWeight	MeanVehicleSpeed
100	0.1	4.3	0.5	2.4	40

tblWoodstoves

WoodstovesLandUseSubType    NumberConventional    NumberCatalytic    NumberNoncatalytic    NumberPellet    WoodstoveDayYear    WoodstoveWoodMass

tblFireplaces

FireplacesI NumberWc NumberGa NumberPrc NumberNo FireplaceH FireplaceD FireplaceWoodMass

ROG\_EF  
2.14E-05



tblAreaCoating

Area_EF_Residential_Interior	Area_Residential_Interior	Area_EF_Residential_Exterior	Area_Residential_Exterior	Area_EF_Nonresidential_Interior
250	0	250	0	250

tblAreaCoating

Area_Nonresidential_Interior	Area_EF_Nonresidential_Exterior	Area_Nonresidential_Exterior	ReapplicationRatePercent
0	250	0	10

tblLandscapeEquipment

NumberSnowDays	NumberSummerDays
0	180

tblEnergyUse

EnergyUseLandUseSubType	T24E	NT24E	LightingElect	T24NG	NT24NG
User Defined Industrial	0	0	0	0	0

WaterLandUseSubType User Defined Industrial	WaterLandUseSizeMetric User Defined Unit	IndoorWaterUseRate 0	OutdoorWaterUseRate 0	ElectricityIntensityFactorToSupply 9727	ElectricityIntensityFactorToTreat 111	ElectricityIntensityFactorToDistribute 1272	ElectricityIntensityFactorForWastewaterTreatment 1911	SepticTankPercent 10	AerobicPercent 84.69	AnaerobicandFacultativeLagoonsPercent 2.14	AnaDigestCombDigestGasPercent 3.17	AnaDigestCogenCombDigestGasPercent 0
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tblSolidWaste

SolidWasteLandUseSubType	SolidWasteLandUseSizeMetric	SolidWasteGenerationRate	LandfillNoGasCapture	LandfillCaptureGasFlare	LandfillCaptureGasEnergyRecovery
User Defined Industrial	User Defined Unit		0	6	94
					0

tblLandUseChange

VegetationLandUseType    VegetationLandUseSubType    AcresBegin    AcresEnd    CO2peracre

tblSequestration

BroadSpeciesClass    NumberOfNewTrees    CO2perTree



## tblConstEquipMitigation

ConstMitigationEquipmentType	FuelType	Tier	NumberOfEquipmentMitigated	TotalNumberOfEquipmentMitigated	DPF	OxidationCatalyst
Aerial Lifts	Diesel		0		2	0
Graders	Diesel		0		1	0
Off-Highway Trucks	Diesel		0		2	0
Other General Industrial Equipment	Diesel		0		1	0
Other Material Handling Equipment	Diesel		0		1	0
Rubber Tired Dozers	Diesel		0		0	0
Tractors/Loaders/Backhoes	Diesel		0		2	0

tblConstDustMitigation

SoilStabilizerCheck	SoilStabilizerPM10PercentReduction	SoilStabilizerPM25PercentReduction	ReplaceGroundCoverCheck	ReplaceGroundCoverPM10PercentReduction	ReplaceGroundCoverPM25PercentReduction
0			0		

tblConstDustMitigation

WaterExposedAreaCheck	WaterExposedAreaFrequency	WaterExposedAreaPM10PercentReduction	WaterExposedAreaPM25PercentReduction	WaterUnpavedRoadMoistureContentCheck
1	2	55	55	0

tblConstDustMitigation

WaterUnpavedRoadVehicleSpeedCheck	WaterUnpavedRoadMoistureContent	WaterUnpavedRoadVehicleSpeed	CleanPavedRoadCheck	CleanPavedRoadPercentReduction
	1		15	0

tblLandUseMitigation

ProjectSetting IncreaseDensityCheck IncreaseDensityDUPerAcre IncreaseDensityJobPerAcre IncreaseDiversityCheck ImproveWalkabilityDesignCheck

tblLandUseMitigation

ImproveWalkabilityDesignIntersections

ImproveDestinationAccessibilityCheck

ImproveDestinationAccessibilityDistance

IncreaseTransitAccessibilityCheck

tblLandUseMitigation

IncreaseTransitAccessibilityDistance

IntegrateBelowMarketRateHousingCheck

IntegrateBelowMarketRateHousingDU

ImprovePedestrianNetworkCheck

tblLandUseMitigation

ImprovePedestrianNetworkSelection

ProvideTrafficCalmingMeasuresCheck

ProvideTrafficCalmingMeasuresPercentStreet



tblLandUseMitigation

ProvideTrafficCalmingMeasuresPercentIntersection

ImplementNEVNetworkCheck

LimitParkingSupplyCheck

LimitParkingSupplySpacePercentReduction

tblLandUseMitigation

UnbundleParkingCostCheck   UnbundleParkingCostCost   OnStreetMarketPricingCheck   OnStreetMarketPricingPricePercentIncrease

tblLandUseMitigation

ProvideBRTSystemCheck

ProvideBRTSystemPercentBRT

ExpandTransitNetworkCheck

ExpandTransitNetworkTransitCoveragePercentIncrease

tblLandUseMitigation

IncreaseTransitFrequencyCheck

IncreaseTransitFrequencyImplementationLevel

IncreaseTransitFrequencyHeadwaysPercentReduction



tblCommuteMitigation

TransitSubsidyDailySubsidyAmount	ImplementEmployeeParkingCashOutCheck	ImplementEmployeeParkingCashOutPercentEmployee	WorkplaceParkingChargeCheck	WorkplaceParkingChargePercentEmployee
	0		0	

tblCommuteMitigation

WorkplaceParkingChargeCost    EncourageTelecommutingCheck    EncourageTelecommutingPercentEmployee9\_80    EncourageTelecommutingPercentEmployee4\_40    EncourageTelecommutingPercentEmployee1\_5days  
0

tblCommuteMitigation

MarketCommuteTripReductionOptionCheck	MarketCommuteTripReductionOptionPercentEmployee	EmployeeVanpoolCheck	EmployeeVanpoolPercentEmployee	EmployeeVanpoolPercentModeShare	
0		0			2



tblCommuteMitigation

ProvideRideSharingProgramCheck	ProvideRideSharingProgramPercentEmployee	ImplementSchoolBusProgramCheck	ImplementSchoolBusProgramPercentFamilyUsing
0		0	

tblAreaMitigation

LandscapeLawnmowerCheck	LandscapeLawnmowerPercentElectric	LandscapeLeafblowerCheck	LandscapeLeafblowerPercentElectric
0		0	

tblAreaMitigation

LandscapeChainsawCheck	LandscapeChainsawPercentElectric	UseLowVOCPaintResidentialInteriorCheck
0		0

tblAreaMitigation

UseLowVOCPaintResidentialInteriorValue	UseLowVOCPaintResidentialExteriorCheck	UseLowVOCPaintResidentialExteriorValue
250	0	250

tblAreaMitigation

UseLowVOCPaintNonresidentialInteriorCheck	0	UseLowVOCPaintNonresidentialInteriorValue	250	UseLowVOCPaintNonresidentialExteriorCheck	0
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tblAreaMitigation

UseLowVOCPaintNonresidentialExteriorValue	HearthOnlyNaturalGasHearthCheck	NoHearthCheck	UseLowVOCCleaningSuppliesCheck
250	0	0	0

tblEnergyMitigation

ExceedTitle24Check    ExceedTitle24CheckPercentImprovement    InstallHighEfficiencyLightingCheck

tblEnergyMitigation

InstallHighEfficiencyLightingPercentEnergyReduction    OnSiteRenewableEnergyCheck    KwhGeneratedCheck    KwhGenerated



PercentOfElectricityUseGeneratedCheck

PercentOfElectricityUseGenerated

tblApplianceMitigation

ApplianceType	ApplianceLandUseSubType	PercentImprovement
ClothWasher		30
DishWasher		15
Fan		50
Refrigerator		15

ApplyWaterConse	ApplyWaterConse	ApplyWaterConse	ApplyWaterConse	ApplyWaterConse	ApplyWaterConse	ApplyWaterConse	ApplyWaterConse
rvationStrategyCh	rvationStrategyPe	rvationStrategyPe	rvationStrategyPe	rvationStrategyPe	rvationStrategyPe	rvationStrategyPe	rvationStrategyPe
ck	ck	ck	ck	ck	ck	ck	ck
PercentReductionIn	PercentReductionIn	PercentReductionIn	PercentReductionIn	PercentReductionIn	PercentReductionIn	PercentReductionIn	PercentReductionIn
door	door	door	door	door	door	door	door
UseReclaimedWa	UseReclaimedWa	UseReclaimedWa	UseReclaimedWa	UseReclaimedWa	UseReclaimedWa	UseReclaimedWa	UseReclaimedWa
terCheck	terCheck	terCheck	terCheck	terCheck	terCheck	terCheck	terCheck
PercentOutdoorR	PercentOutdoorR	PercentOutdoorR	PercentOutdoorR	PercentOutdoorR	PercentOutdoorR	PercentOutdoorR	PercentOutdoorR
eclaimedWaterUs	eclaimedWaterUs	eclaimedWaterUs	eclaimedWaterUs	eclaimedWaterUs	eclaimedWaterUs	eclaimedWaterUs	eclaimedWaterUs
e	e	e	e	e	e	e	e
PercentIndoorRec	PercentIndoorRec	PercentIndoorRec	PercentIndoorRec	PercentIndoorRec	PercentIndoorRec	PercentIndoorRec	PercentIndoorRec
UseGreyWaterCh	UseGreyWaterCh	UseGreyWaterCh	UseGreyWaterCh	UseGreyWaterCh	UseGreyWaterCh	UseGreyWaterCh	UseGreyWaterCh
ck	ck	ck	ck	ck	ck	ck	ck
ck	ck	ck	ck	ck	ck	ck	ck
ck	ck	ck	ck	ck	ck	ck	ck

0

0

0

tblWaterMitigation

PercentOutdoorGreyWaterUse	PercentIndoorGreyWaterUse	InstallLowFlowBathroomFaucetCheck	PercentReductionInFlowBathroomFaucet	InstallLowFlowKitchenFaucetCheck	PercentReductionInFlowKitchenFaucet	InstallLowFlowToiletCheck					
			0		32		0		18		0

tblWaterMitigation

PercentReduction InFlowToilet	InstallLowFlowSh owerCheck	PercentReduction InFlowShower	TurfReductionCh eck	TurfReductionTurf Area	TurfReductionTurf centReduction	UseWaterEfficient IrrigationSystemC heck
20	0	20	0			0

tblWaterMitigation

UseWaterEfficient IrrigationSystemP ercentReduction	WaterEfficientLan dscapeCheck	MAWA	ETWU
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6.1

0

tblWasteMitigation

InstituteRecyclingAndC  
InstituteRecyclingAndCo ompostingServicesWas  
mpostingServicesCheck tePercentReduction

tblRemarks

SubModuleID	PhaseName	Season	Remarks
1			
3			Permanent Land/ROW acreage
4			Assumptions based on project description
5	Application of Herbicides - 1		Assumptions based on project description (i.e., no offroad equipment for phase)
5	Application of Herbicides - 2		Assumptions based on project description (i.e., no offroad equipment for this phase)
5	Equipment Repair or Replacement		Assumptions based on project description
5	Helicopter Inspection		Assumptions based on project description (i.e., water truck for staging area and helicopter modeled as Other General Industrial Equipment with increased HP)
5	Insulator Washing - 1		Assumptions based on project description (i.e., no offroad equipment for phase)
5	Insulator Washing - 2		Assumptions based on project description (i.e., no offroad equipment for this phase)
5	Pole Brushing		Assumptions based on project description (i.e., no offroad equipment for this phase)
5	ROW Repair		Assumptions based on project description
5	Tree Trimming		Assumptions based on project description (Other Material Handling Equipment used for chipper trailer)
6			Added 10.4 miles to worker triplength to account for commute plus travel along the line
7			Adjusted to match proportion of paved roads in project description
9			ROW repair assumed to disturb 2 acres per year
25			



ATTACHMENT 2  
*Adjusted Fugitive Dust Emissions*



**CONSTRUCTION ADJUSTED FUGITIVE DUST EMISSIONS ANALYSIS**

YEAR 2014			Offsite Emissions/			Offsite Emissions/		
Phase	Activity	Active Days	Unmit PM10	Active Days	Mit PM10	Unmit PM2.5	Active Days	Mit PM2.5
1	On-Site	55	6.17	0.00	2.78	3.31	0.00	1.49
	Off-Site	55	63.14	1.15	0.51	6.26	0.11	0
2	On-Site	15	0	0.00	0	0		0
	Off-Site	15	31.57	2.10	0.26	3.12	0.21	0
3	On-Site	73	0	0.00	0	0		0
	Off-Site	73	38.78	0.53	0.31	3.84	0.05	0
4	On-Site	73	0	0.00	0	0		0
	Off-Site	73	38.78	0.53	0.31	3.84	0.05	0
5	On-Site	73	0	0.00	0	0		0
	Off-Site	73	33.52	0.46	0.28	3.31	0.05	0
6	On-Site	73	0	0.00	0	0		0
	Off-Site	73	42.65	0.58	0.35	4.22	0.06	0
7	On-Site	68	0	0.00	0	0		0
	Off-Site	68	39.76	0.58	0.32	3.94	0.06	0
8	On-Site	24	0	0.00	0	0	0.00	0
	Off-Site	24	42.65	1.78	0.35	4.22	0.18	0
9	On-Site	5	0	0.00	0	0	0.00	0
	Off-Site	5	22.91	4.58	0.18	2.27	0.45	0
10	On-Site	16	0	0.00	0	0	0.00	0
	Off-Site	16	43.62	2.73	0.36	4.31	0.27	0
11	On-Site	15	0	0.00	0	0	0.00	0
	Off-Site	15	28.68	1.91	0.23	2.84	0.19	0
12	On-Site	11	0	0.00	0	0	0.00	0
	Off-Site	11	28.68	2.61	0.23	2.84	0.26	0
13	NA	0						
14	NA	0						

YEAR 2015			Offsite Emissions/			Offsite Emissions/		
Phase	Activity	Active Days	Unmit PM10	Active Days	Mit PM10	Unmit PM2.5	Active Days	Mit PM2.5
1	NA	0						
2	NA	0						
3	NA	0						
4	NA	0						
5	NA	0						
6	NA	0						
7	On-Site	5	0	0.00	0	0	0.00	0
	Off-Site	5	39.76	7.95	0.32	3.94	0.79	0
8	On-Site	20	0	0.00	0	0	0.00	0
	Off-Site	20	42.65	2.13	0.35	4.22	0.21	0
9	NA	0						
10	NA	0						
11	NA	0						
12	On-Site	4	0	0.00	0	0	0.00	0
	Off-Site	4	28.68	7.17	0.23	2.84	0.71	0
13	On-Site	39	0	0.00	0	0	0.00	0
	Off-Site	40	39.76	0.99	0.32	3.94	0.10	0
14	On-Site	22	0	0.00	0	0	0.00	0
	Off-Site	22	22.91	1.04	0.18	2.27	0.10	0

Adjusted Emissions - Overlapped Phases							
Year 2014	Phases	Unmit. PM10 Total	Unmit. PM10 Adj	Mit. PM10 Adj	Unmit. PM2.5 Total	Unmit. PM2.5 Adj	Mit. PM2.5 Adj
	1-4	178.44	10.49	7.10	20.37	3.74	1.92
	3-7	193.49	2.69	2.69	19.15	0.27	0.27
	5-11	253.79	12.63	12.63	25.11	1.25	1.25
	5-8; 10-12	259.56	10.65	10.65	25.68	1.05	1.05
	7-8; 12	111.09	4.97	4.97	11	0.49	0.49
Year 2015	Phases	Unmit. PM10 Total	Unmit. PM10 Adj	Mit. PM10 Adj	Unmit. PM2.5 Total	Unmit. PM2.5 Adj	Mit. PM2.5 Adj
	7-8; 12-13	150.85	18.25	18.25	14.94	1.81	1.81
	14	22.91	1.04	1.04	2.27	0.10	0.10

\* Note: Mitigated output values from CalEEMod were not included in this revised analysis. Mitigated Adjusted values above only includes watering of disturbed areas. No reductions for on-road fugitive dust were accounted for.

**OPERATION ADJUSTED FUGITIVE DUST EMISSIONS ANALYSIS**

YEAR 2016			Offsite Emissions/			Offsite Emissions/		
Phase	Activity	Active Days	Unmit PM10	Active Days	Mit PM10	Unmit PM2.5	Active Days	Mit PM2.5
1	On-Site	13	0	0.00	0	0	0.00	0
	Off-Site	13	2.83	0.22	0.02	0.28	0.02	0
2	On-Site	26	0	0.00	0	0	0.00	0
	Off-Site	26	5.66	0.22	0.05	0.56	0.02	0
3	On-Site	4	0	0.00	0	0	0.00	0
	Off-Site	4	36.81	9.20	0.3	3.65	0.91	0
4	On-Site	25	0	0.00	0	0	0.00	0
	Off-Site	25	11.33	0.45	0.09	1.12	0.04	0
5	On-Site	13	0	0.00	0	0	0.00	0
	Off-Site	13	2.83	0.22	0.02	0.28	0.02	0
6	On-Site	26	0	0.00	0	0	0.00	0
	Off-Site	26	5.66	0.22	0.05	0.56	0.02	0
7	On-Site	25	0.08	0.00	0.04	0	0.00	0
	Off-Site	25	14.16	0.57	0.12	1.4	0.06	0
8	On-Site	52	0	0.00	0	0	0.00	0
	Off-Site	52	5.66	0.11	0.05	0.56	0.01	0
9	On-Site	26	0	0.00	0	0	0.00	0
	Off-Site	26	8.49	0.33	0.07	0.84	0.03	0

Year 2016	Phases	Unmit. PM10 Total	Unmit. PM10 Adj	Mit. PM10 Adj	Unmit. PM2.5 Total	Unmit. PM2.5 Adj	Mit. PM2.5 Adj
	1-4	56.63	10.09	10.09	5.61	1.00	1.00
	5-7	22.73	1.08	1.04	2.24	0.10	0.10
	8-9	14.15	0.44	0.44	1.4	0.04	0.04

\* Note: Mitigated output values from CalEEMod were not included in this revised analysis. Mitigated Adjusted values above only includes watering of disturbed areas. No reductions for on-road fugitive dust were accounted for.