

## **APPENDIX D – CALEEMOD MODEL GREENHOUSE GAS OUTPUT FILES**



This page is intentionally blank.

---

**Newport Blvd - 32nd St  
Orange County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2015
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use -

Construction Phase - Construction schedule provided by applicant.

Grading -

Demolition - Approximately 11,700 square feet of building space would be demolished.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	8.00	33.00
tblConstructionPhase	NumDays	18.00	53.00
tblProjectCharacteristics	OperationalYear	2014	2015





Demolition	6	15.00	0.00	53.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.7600e-003	0.0000	5.7600e-003	8.7000e-004	0.0000	8.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0483	0.5202	0.3810	4.2000e-004		0.0265	0.0265		0.0248	0.0248	0.0000	39.6648	39.6648	0.0107	0.0000	39.8898
<b>Total</b>	<b>0.0483</b>	<b>0.5202</b>	<b>0.3810</b>	<b>4.2000e-004</b>	<b>5.7600e-003</b>	<b>0.0265</b>	<b>0.0323</b>	<b>8.7000e-004</b>	<b>0.0248</b>	<b>0.0256</b>	<b>0.0000</b>	<b>39.6648</b>	<b>39.6648</b>	<b>0.0107</b>	<b>0.0000</b>	<b>39.8898</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	6.3000e-004	9.9300e-003	6.7100e-003	2.0000e-005	4.5000e-004	1.8000e-004	6.3000e-004	1.2000e-004	1.6000e-004	2.9000e-004	0.0000	1.8252	1.8252	2.0000e-005	0.0000	1.8256
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	9.8000e-004	0.0102	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6745	1.6745	9.0000e-005	0.0000	1.6764
<b>Total</b>	<b>1.2900e-003</b>	<b>0.0109</b>	<b>0.0169</b>	<b>4.0000e-005</b>	<b>2.1800e-003</b>	<b>1.9000e-004</b>	<b>2.3700e-003</b>	<b>5.8000e-004</b>	<b>1.7000e-004</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>3.4997</b>	<b>3.4997</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.5020</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.7600e-003	0.0000	5.7600e-003	8.7000e-004	0.0000	8.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0483	0.5202	0.3810	4.2000e-004		0.0265	0.0265		0.0248	0.0248	0.0000	39.6647	39.6647	0.0107	0.0000	39.8898
<b>Total</b>	<b>0.0483</b>	<b>0.5202</b>	<b>0.3810</b>	<b>4.2000e-004</b>	<b>5.7600e-003</b>	<b>0.0265</b>	<b>0.0323</b>	<b>8.7000e-004</b>	<b>0.0248</b>	<b>0.0256</b>	<b>0.0000</b>	<b>39.6647</b>	<b>39.6647</b>	<b>0.0107</b>	<b>0.0000</b>	<b>39.8898</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	6.3000e-004	9.9300e-003	6.7100e-003	2.0000e-005	4.5000e-004	1.8000e-004	6.3000e-004	1.2000e-004	1.6000e-004	2.9000e-004	0.0000	1.8252	1.8252	2.0000e-005	0.0000	1.8256
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	9.8000e-004	0.0102	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6745	1.6745	9.0000e-005	0.0000	1.6764
<b>Total</b>	<b>1.2900e-003</b>	<b>0.0109</b>	<b>0.0169</b>	<b>4.0000e-005</b>	<b>2.1800e-003</b>	<b>1.9000e-004</b>	<b>2.3700e-003</b>	<b>5.8000e-004</b>	<b>1.7000e-004</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>3.4997</b>	<b>3.4997</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.5020</b>

### 3.3 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					0.1081	0.0000	0.1081	0.0556	0.0000	0.0556	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0425	0.4521	0.2943	3.3000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	31.5580	31.5580	9.3300e-003	0.0000	31.7538
<b>Total</b>	<b>0.0425</b>	<b>0.4521</b>	<b>0.2943</b>	<b>3.3000e-004</b>	<b>0.1081</b>	<b>0.0261</b>	<b>0.1342</b>	<b>0.0556</b>	<b>0.0240</b>	<b>0.0796</b>	<b>0.0000</b>	<b>31.5580</b>	<b>31.5580</b>	<b>9.3300e-003</b>	<b>0.0000</b>	<b>31.7538</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	1.0300e-003	0.0107	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.7542	1.7542	9.0000e-005	0.0000	1.7562
<b>Total</b>	<b>6.9000e-004</b>	<b>1.0300e-003</b>	<b>0.0107</b>	<b>2.0000e-005</b>	<b>1.8100e-003</b>	<b>1.0000e-005</b>	<b>1.8300e-003</b>	<b>4.8000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.7542</b>	<b>1.7542</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.7562</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1081	0.0000	0.1081	0.0556	0.0000	0.0556	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0425	0.4521	0.2943	3.3000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	31.5579	31.5579	9.3300e-003	0.0000	31.7538
<b>Total</b>	<b>0.0425</b>	<b>0.4521</b>	<b>0.2943</b>	<b>3.3000e-004</b>	<b>0.1081</b>	<b>0.0261</b>	<b>0.1342</b>	<b>0.0556</b>	<b>0.0240</b>	<b>0.0796</b>	<b>0.0000</b>	<b>31.5579</b>	<b>31.5579</b>	<b>9.3300e-003</b>	<b>0.0000</b>	<b>31.7538</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	1.0300e-003	0.0107	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.7542	1.7542	9.0000e-005	0.0000	1.7562
<b>Total</b>	<b>6.9000e-004</b>	<b>1.0300e-003</b>	<b>0.0107</b>	<b>2.0000e-005</b>	<b>1.8100e-003</b>	<b>1.0000e-005</b>	<b>1.8300e-003</b>	<b>4.8000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.7542</b>	<b>1.7542</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.7562</b>

### 3.3 Grading - 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					
Fugitive Dust					0.1081	0.0000	0.1081	0.0556	0.0000	0.0556	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2223	0.1467	1.6000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	15.6123	15.6123	4.6600e-003	0.0000	15.7102
<b>Total</b>	<b>0.0211</b>	<b>0.2223</b>	<b>0.1467</b>	<b>1.6000e-004</b>	<b>0.1081</b>	<b>0.0128</b>	<b>0.1209</b>	<b>0.0556</b>	<b>0.0118</b>	<b>0.0673</b>	<b>0.0000</b>	<b>15.6123</b>	<b>15.6123</b>	<b>4.6600e-003</b>	<b>0.0000</b>	<b>15.7102</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	4.6000e-004	4.8000e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8460	0.8460	4.0000e-005	0.0000	0.8469
<b>Total</b>	<b>3.1000e-004</b>	<b>4.6000e-004</b>	<b>4.8000e-003</b>	<b>1.0000e-005</b>	<b>9.1000e-004</b>	<b>1.0000e-005</b>	<b>9.1000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.8460</b>	<b>0.8460</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8469</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1081	0.0000	0.1081	0.0556	0.0000	0.0556	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2223	0.1467	1.6000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	15.6123	15.6123	4.6600e-003	0.0000	15.7101
<b>Total</b>	<b>0.0211</b>	<b>0.2223</b>	<b>0.1467</b>	<b>1.6000e-004</b>	<b>0.1081</b>	<b>0.0128</b>	<b>0.1209</b>	<b>0.0556</b>	<b>0.0118</b>	<b>0.0673</b>	<b>0.0000</b>	<b>15.6123</b>	<b>15.6123</b>	<b>4.6600e-003</b>	<b>0.0000</b>	<b>15.7101</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	4.6000e-004	4.8000e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8460	0.8460	4.0000e-005	0.0000	0.8469
<b>Total</b>	<b>3.1000e-004</b>	<b>4.6000e-004</b>	<b>4.8000e-003</b>	<b>1.0000e-005</b>	<b>9.1000e-004</b>	<b>1.0000e-005</b>	<b>9.1000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.8460</b>	<b>0.8460</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8469</b>

### 3.4 Paving - 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	0.0614	0.6672	0.3969	5.9000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	56.2521	56.2521	0.0168	0.0000	56.6048
Paving	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0680</b>	<b>0.6672</b>	<b>0.3969</b>	<b>5.9000e-004</b>		<b>0.0375</b>	<b>0.0375</b>		<b>0.0345</b>	<b>0.0345</b>	<b>0.0000</b>	<b>56.2521</b>	<b>56.2521</b>	<b>0.0168</b>	<b>0.0000</b>	<b>56.6048</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	2.2200e-003	0.0231	5.0000e-005	4.3600e-003	3.0000e-005	4.4000e-003	1.1600e-003	3.0000e-005	1.1900e-003	0.0000	4.0763	4.0763	2.1000e-004	0.0000	4.0807
<b>Total</b>	<b>1.5000e-003</b>	<b>2.2200e-003</b>	<b>0.0231</b>	<b>5.0000e-005</b>	<b>4.3600e-003</b>	<b>3.0000e-005</b>	<b>4.4000e-003</b>	<b>1.1600e-003</b>	<b>3.0000e-005</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>4.0763</b>	<b>4.0763</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0807</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0614	0.6672	0.3969	5.9000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	56.2520	56.2520	0.0168	0.0000	56.6047
Paving	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0680</b>	<b>0.6672</b>	<b>0.3969</b>	<b>5.9000e-004</b>		<b>0.0375</b>	<b>0.0375</b>		<b>0.0345</b>	<b>0.0345</b>	<b>0.0000</b>	<b>56.2520</b>	<b>56.2520</b>	<b>0.0168</b>	<b>0.0000</b>	<b>56.6047</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	2.2200e-003	0.0231	5.0000e-005	4.3600e-003	3.0000e-005	4.4000e-003	1.1600e-003	3.0000e-005	1.1900e-003	0.0000	4.0763	4.0763	2.1000e-004	0.0000	4.0807
<b>Total</b>	<b>1.5000e-003</b>	<b>2.2200e-003</b>	<b>0.0231</b>	<b>5.0000e-005</b>	<b>4.3600e-003</b>	<b>3.0000e-005</b>	<b>4.4000e-003</b>	<b>1.1600e-003</b>	<b>3.0000e-005</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>4.0763</b>	<b>4.0763</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0807</b>