

**APPENDIX C:  
AIR QUALITY MODEL OUTPUTS**



Elk Grove GPU Construction Emissions - Sacramento County, Summer

**Elk Grove GPU Construction Emissions**  
**Sacramento County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	306.03	Dwelling Unit	99.36	550,854.00	817
General Light Industry	8.90	1000sqft	0.20	8,900.00	0
Regional Shopping Center	0.49	1000sqft	0.01	490.00	0
Condo/Townhouse High Rise	0.49	Dwelling Unit	0.01	490.00	1
City Park	1.65	Acre	1.65	71,874.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2020
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	590.31	<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 - Elk Grove GPU Average Annual Construction Emissions (Project-Baseline, units and square feet, divided by 20 years)

Land Use - Land use inputs based on net increase in GPU land use and units (Project minus baseline), average annual growth over 2. Note that SFDUs reflect development within study areas. Land Uses that decrease from baseline are not reflected. Values are scaled down and calculated off model to account for CalEEMod errors in estimating emissions for projects over 40 acres.

Construction Phase - Assumes all phases would occur within one calendar year to estimate average annual emissions. 2015 selected as baseline year to reflect more conservative scenario.

Off-road Equipment - Assumes CalEEMod Defaults

## Elk Grove GPU Construction Emissions - Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	100.00
tblConstructionPhase	NumDays	220.00	18.00
tblConstructionPhase	NumDays	3,100.00	205.00
tblConstructionPhase	NumDays	200.00	7.00
tblConstructionPhase	NumDays	310.00	13.00
tblConstructionPhase	NumDays	220.00	13.00
tblConstructionPhase	NumDays	120.00	7.00
tblConstructionPhase	PhaseEndDate	12/25/2030	12/31/2015
tblConstructionPhase	PhaseEndDate	4/18/2029	11/19/2015
tblConstructionPhase	PhaseEndDate	10/7/2015	1/9/2015
tblConstructionPhase	PhaseEndDate	5/31/2017	2/5/2015
tblConstructionPhase	PhaseEndDate	2/20/2030	12/8/2015
tblConstructionPhase	PhaseEndDate	3/23/2016	1/20/2015
tblConstructionPhase	PhaseStartDate	2/21/2030	12/8/2015
tblConstructionPhase	PhaseStartDate	6/1/2017	2/6/2015
tblConstructionPhase	PhaseStartDate	3/24/2016	1/20/2015
tblConstructionPhase	PhaseStartDate	4/19/2029	11/20/2015
tblConstructionPhase	PhaseStartDate	10/8/2015	1/10/2015
tblGrading	AcresOfGrading	32.50	775.00

## 2.0 Emissions Summary

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Elk Grove GPU Construction Emissions - Sacramento County, Summer

**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	14.6903	0.2935	25.3735	1.3400e-003		0.1395	0.1395		0.1395	0.1395			45.5367	0.0444	0.0000	46.6469
Energy	0.2432	2.0837	0.9225	0.0133		0.1681	0.1681		0.1681	0.1681			2,653.4509	0.0509	0.0487	2,669.2191
Mobile	7.4729	24.5114	79.2561	0.2186	17.1122	0.2177	17.3299	4.5764	0.2047	4.7811			22,100.0621	1.0843		22,127.1687
<b>Total</b>	<b>22.4065</b>	<b>26.8886</b>	<b>105.5520</b>	<b>0.2332</b>	<b>17.1122</b>	<b>0.5253</b>	<b>17.6374</b>	<b>4.5764</b>	<b>0.5122</b>	<b>5.0886</b>			<b>24,799.0497</b>	<b>1.1795</b>	<b>0.0487</b>	<b>24,843.0346</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	14.6903	0.2935	25.3735	1.3400e-003		0.1395	0.1395		0.1395	0.1395			45.5367	0.0444	0.0000	46.6469
Energy	0.2432	2.0837	0.9225	0.0133		0.1681	0.1681		0.1681	0.1681			2,653.4509	0.0509	0.0487	2,669.2191
Mobile	7.4729	24.5114	79.2561	0.2186	17.1122	0.2177	17.3299	4.5764	0.2047	4.7811			22,100.0621	1.0843		22,127.1687
<b>Total</b>	<b>22.4065</b>	<b>26.8886</b>	<b>105.5520</b>	<b>0.2332</b>	<b>17.1122</b>	<b>0.5253</b>	<b>17.6374</b>	<b>4.5764</b>	<b>0.5122</b>	<b>5.0886</b>			<b>24,799.0497</b>	<b>1.1795</b>	<b>0.0487</b>	<b>24,843.0346</b>

## Elk Grove GPU Construction Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	1/9/2015	5	7	
2	Site Preparation	Site Preparation	1/10/2015	1/20/2015	5	7	
3	Grading	Grading	1/20/2015	2/5/2015	5	13	
4	Building Construction	Building Construction	2/6/2015	11/19/2015	5	205	
5	Paving	Paving	11/20/2015	12/8/2015	5	13	
6	Architectural Coating	Architectural Coating	12/8/2015	12/31/2015	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 1,116,472; Residential Outdoor: 372,157; Non-Residential Indoor: 14,085; Non-Residential Outdoor: 4,695; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Elk Grove GPU Construction Emissions - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT



Elk Grove GPU Construction Emissions - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	145.00	46.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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	4.4696	47.0522	23.3470	0.0388		2.4633	2.4633		2.2972	2.2972			4,012.0679	1.0845		4,039.1792
<b>Total</b>	<b>4.4696</b>	<b>47.0522</b>	<b>23.3470</b>	<b>0.0388</b>		<b>2.4633</b>	<b>2.4633</b>		<b>2.2972</b>	<b>2.2972</b>			<b>4,012.0679</b>	<b>1.0845</b>		<b>4,039.1792</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.2 Demolition - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1086	0.0655	0.8829	1.3800e-003	0.1141	9.9000e-004	0.1151	0.0303	9.2000e-004	0.0312			136.7326	6.4000e-003		136.8925
<b>Total</b>	<b>0.1086</b>	<b>0.0655</b>	<b>0.8829</b>	<b>1.3800e-003</b>	<b>0.1141</b>	<b>9.9000e-004</b>	<b>0.1151</b>	<b>0.0303</b>	<b>9.2000e-004</b>	<b>0.0312</b>			<b>136.7326</b>	<b>6.4000e-003</b>		<b>136.8925</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4696	47.0522	23.3470	0.0388		2.4633	2.4633		2.2972	2.2972			4,012.0679	1.0845		4,039.1792
<b>Total</b>	<b>4.4696</b>	<b>47.0522</b>	<b>23.3470</b>	<b>0.0388</b>		<b>2.4633</b>	<b>2.4633</b>		<b>2.2972</b>	<b>2.2972</b>			<b>4,012.0679</b>	<b>1.0845</b>		<b>4,039.1792</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.2 Demolition - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1086	0.0655	0.8829	1.3800e-003	0.1141	9.9000e-004	0.1151	0.0303	9.2000e-004	0.0312			136.7326	6.4000e-003		136.8925
<b>Total</b>	<b>0.1086</b>	<b>0.0655</b>	<b>0.8829</b>	<b>1.3800e-003</b>	<b>0.1141</b>	<b>9.9000e-004</b>	<b>0.1151</b>	<b>0.0303</b>	<b>9.2000e-004</b>	<b>0.0312</b>			<b>136.7326</b>	<b>6.4000e-003</b>		<b>136.8925</b>

**3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2493	55.4642	23.9236	0.0381		3.1336	3.1336		2.8830	2.8830			4,000.7845	1.1944		4,030.6445
<b>Total</b>	<b>5.2493</b>	<b>55.4642</b>	<b>23.9236</b>	<b>0.0381</b>	<b>18.0663</b>	<b>3.1336</b>	<b>21.1999</b>	<b>9.9307</b>	<b>2.8830</b>	<b>12.8136</b>			<b>4,000.7845</b>	<b>1.1944</b>		<b>4,030.6445</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1303	0.0786	1.0595	1.6600e-003	0.1369	1.1900e-003	0.1381	0.0363	1.1000e-003	0.0374			164.0791	7.6800e-003		164.2710
<b>Total</b>	<b>0.1303</b>	<b>0.0786</b>	<b>1.0595</b>	<b>1.6600e-003</b>	<b>0.1369</b>	<b>1.1900e-003</b>	<b>0.1381</b>	<b>0.0363</b>	<b>1.1000e-003</b>	<b>0.0374</b>			<b>164.0791</b>	<b>7.6800e-003</b>		<b>164.2710</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2493	55.4642	23.9236	0.0381		3.1336	3.1336		2.8830	2.8830			4,000.7845	1.1944		4,030.6445
<b>Total</b>	<b>5.2493</b>	<b>55.4642</b>	<b>23.9236</b>	<b>0.0381</b>	<b>18.0663</b>	<b>3.1336</b>	<b>21.1999</b>	<b>9.9307</b>	<b>2.8830</b>	<b>12.8136</b>			<b>4,000.7845</b>	<b>1.1944</b>		<b>4,030.6445</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1303	0.0786	1.0595	1.6600e-003	0.1369	1.1900e-003	0.1381	0.0363	1.1000e-003	0.0374			164.0791	7.6800e-003		164.2710
<b>Total</b>	<b>0.1303</b>	<b>0.0786</b>	<b>1.0595</b>	<b>1.6600e-003</b>	<b>0.1369</b>	<b>1.1900e-003</b>	<b>0.1381</b>	<b>0.0363</b>	<b>1.1000e-003</b>	<b>0.0374</b>			<b>164.0791</b>	<b>7.6800e-003</b>		<b>164.2710</b>

**3.4 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	lb/day										lb/day					
Fugitive Dust					69.2442	0.0000	69.2442	10.1367	0.0000	10.1367			0.0000			0.0000
Off-Road	6.2723	75.8267	41.8203	0.0621		3.4704	3.4704		3.1927	3.1927			6,516.0375	1.9453		6,564.6703
<b>Total</b>	<b>6.2723</b>	<b>75.8267</b>	<b>41.8203</b>	<b>0.0621</b>	<b>69.2442</b>	<b>3.4704</b>	<b>72.7146</b>	<b>10.1367</b>	<b>3.1927</b>	<b>13.3295</b>			<b>6,516.0375</b>	<b>1.9453</b>		<b>6,564.6703</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.4 Grading - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1448	0.0873	1.1772	1.8400e-003	0.1521	1.3200e-003	0.1535	0.0404	1.2300e-003	0.0416			182.3101	8.5300e-003		182.5234
<b>Total</b>	<b>0.1448</b>	<b>0.0873</b>	<b>1.1772</b>	<b>1.8400e-003</b>	<b>0.1521</b>	<b>1.3200e-003</b>	<b>0.1535</b>	<b>0.0404</b>	<b>1.2300e-003</b>	<b>0.0416</b>			<b>182.3101</b>	<b>8.5300e-003</b>		<b>182.5234</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					69.2442	0.0000	69.2442	10.1367	0.0000	10.1367			0.0000			0.0000
Off-Road	6.2723	75.8267	41.8203	0.0621		3.4704	3.4704		3.1927	3.1927			6,516.0375	1.9453		6,564.6703
<b>Total</b>	<b>6.2723</b>	<b>75.8267</b>	<b>41.8203</b>	<b>0.0621</b>	<b>69.2442</b>	<b>3.4704</b>	<b>72.7146</b>	<b>10.1367</b>	<b>3.1927</b>	<b>13.3295</b>			<b>6,516.0375</b>	<b>1.9453</b>		<b>6,564.6703</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.4 Grading - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1448	0.0873	1.1772	1.8400e-003	0.1521	1.3200e-003	0.1535	0.0404	1.2300e-003	0.0416			182.3101	8.5300e-003		182.5234
<b>Total</b>	<b>0.1448</b>	<b>0.0873</b>	<b>1.1772</b>	<b>1.8400e-003</b>	<b>0.1521</b>	<b>1.3200e-003</b>	<b>0.1535</b>	<b>0.0404</b>	<b>1.2300e-003</b>	<b>0.0416</b>			<b>182.3101</b>	<b>8.5300e-003</b>		<b>182.5234</b>

**3.5 Building Construction - 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	3.6734	30.2005	18.8039	0.0269		2.1245	2.1245		1.9976	1.9976			2,701.0442	0.6782		2,718.0002
<b>Total</b>	<b>3.6734</b>	<b>30.2005</b>	<b>18.8039</b>	<b>0.0269</b>		<b>2.1245</b>	<b>2.1245</b>		<b>1.9976</b>	<b>1.9976</b>			<b>2,701.0442</b>	<b>0.6782</b>		<b>2,718.0002</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.5 Building Construction - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.4247	6.9602	3.6069	0.0117	0.2770	0.0846	0.3616	0.0797	0.0809	0.1606			1,232.409 1	0.0893		1,234.641 2
Worker	1.0496	0.6332	8.5350	0.0133	1.1030	9.6000e-003	1.1126	0.2926	8.8900e-003	0.3015			1,321.748 1	0.0619		1,323.294 3
<b>Total</b>	<b>1.4743</b>	<b>7.5933</b>	<b>12.1418</b>	<b>0.0251</b>	<b>1.3800</b>	<b>0.0942</b>	<b>1.4742</b>	<b>0.3723</b>	<b>0.0898</b>	<b>0.4621</b>			<b>2,554.157 2</b>	<b>0.1511</b>		<b>2,557.935 5</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6734	30.2005	18.8039	0.0269		2.1245	2.1245		1.9976	1.9976			2,701.044 2	0.6782		2,718.000 2
<b>Total</b>	<b>3.6734</b>	<b>30.2005</b>	<b>18.8039</b>	<b>0.0269</b>		<b>2.1245</b>	<b>2.1245</b>		<b>1.9976</b>	<b>1.9976</b>			<b>2,701.044 2</b>	<b>0.6782</b>		<b>2,718.000 2</b>



Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.5 Building Construction - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.4247	6.9602	3.6069	0.0117	0.2770	0.0846	0.3616	0.0797	0.0809	0.1606			1,232.409 1	0.0893		1,234.641 2
Worker	1.0496	0.6332	8.5350	0.0133	1.1030	9.6000e-003	1.1126	0.2926	8.8900e-003	0.3015			1,321.748 1	0.0619		1,323.294 3
<b>Total</b>	<b>1.4743</b>	<b>7.5933</b>	<b>12.1418</b>	<b>0.0251</b>	<b>1.3800</b>	<b>0.0942</b>	<b>1.4742</b>	<b>0.3723</b>	<b>0.0898</b>	<b>0.4621</b>			<b>2,554.157 2</b>	<b>0.1511</b>		<b>2,557.935 5</b>

**3.6 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	lb/day										lb/day					
Off-Road	2.3639	25.7121	15.2877	0.0228		1.4415	1.4415		1.3262	1.3262			2,390.748 6	0.7137		2,408.592 0
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.3639</b>	<b>25.7121</b>	<b>15.2877</b>	<b>0.0228</b>		<b>1.4415</b>	<b>1.4415</b>		<b>1.3262</b>	<b>1.3262</b>			<b>2,390.748 6</b>	<b>0.7137</b>		<b>2,408.592 0</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.6 Paving - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1086	0.0655	0.8829	1.3800e-003	0.1141	9.9000e-004	0.1151	0.0303	9.2000e-004	0.0312			136.7326	6.4000e-003		136.8925
<b>Total</b>	<b>0.1086</b>	<b>0.0655</b>	<b>0.8829</b>	<b>1.3800e-003</b>	<b>0.1141</b>	<b>9.9000e-004</b>	<b>0.1151</b>	<b>0.0303</b>	<b>9.2000e-004</b>	<b>0.0312</b>			<b>136.7326</b>	<b>6.4000e-003</b>		<b>136.8925</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3639	25.7121	15.2877	0.0228		1.4415	1.4415		1.3262	1.3262			2,390.7486	0.7137		2,408.5920
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.3639</b>	<b>25.7121</b>	<b>15.2877</b>	<b>0.0228</b>		<b>1.4415</b>	<b>1.4415</b>		<b>1.3262</b>	<b>1.3262</b>			<b>2,390.7486</b>	<b>0.7137</b>		<b>2,408.5920</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.6 Paving - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.1086	0.0655	0.8829	1.3800e-003	0.1141	9.9000e-004	0.1151	0.0303	9.2000e-004	0.0312			136.7326	6.4000e-003		136.8925
<b>Total</b>	<b>0.1086</b>	<b>0.0655</b>	<b>0.8829</b>	<b>1.3800e-003</b>	<b>0.1141</b>	<b>9.9000e-004</b>	<b>0.1151</b>	<b>0.0303</b>	<b>9.2000e-004</b>	<b>0.0312</b>			<b>136.7326</b>	<b>6.4000e-003</b>		<b>136.8925</b>

**3.7 Architectural Coating - 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					
Archit. Coating	388.1578					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209			281.4481	0.0367		282.3643
<b>Total</b>	<b>388.5644</b>	<b>2.5703</b>	<b>1.9018</b>	<b>2.9700e-003</b>		<b>0.2209</b>	<b>0.2209</b>		<b>0.2209</b>	<b>0.2209</b>			<b>281.4481</b>	<b>0.0367</b>		<b>282.3643</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.2099	0.1266	1.7070	2.6700e-003	0.2206	1.9200e-003	0.2225	0.0585	1.7800e-003	0.0603			264.3496	0.0124		264.6589
<b>Total</b>	<b>0.2099</b>	<b>0.1266</b>	<b>1.7070</b>	<b>2.6700e-003</b>	<b>0.2206</b>	<b>1.9200e-003</b>	<b>0.2225</b>	<b>0.0585</b>	<b>1.7800e-003</b>	<b>0.0603</b>			<b>264.3496</b>	<b>0.0124</b>		<b>264.6589</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	388.1578					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209			281.4481	0.0367		282.3643
<b>Total</b>	<b>388.5644</b>	<b>2.5703</b>	<b>1.9018</b>	<b>2.9700e-003</b>		<b>0.2209</b>	<b>0.2209</b>		<b>0.2209</b>	<b>0.2209</b>			<b>281.4481</b>	<b>0.0367</b>		<b>282.3643</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.2099	0.1266	1.7070	2.6700e-003	0.2206	1.9200e-003	0.2225	0.0585	1.7800e-003	0.0603			264.3496	0.0124		264.6589
<b>Total</b>	<b>0.2099</b>	<b>0.1266</b>	<b>1.7070</b>	<b>2.6700e-003</b>	<b>0.2206</b>	<b>1.9200e-003</b>	<b>0.2225</b>	<b>0.0585</b>	<b>1.7800e-003</b>	<b>0.0603</b>			<b>264.3496</b>	<b>0.0124</b>		<b>264.6589</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Elk Grove GPU Construction Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.4729	24.5114	79.2561	0.2186	17.1122	0.2177	17.3299	4.5764	0.2047	4.7811			22,100.06 21	1.0843		22,127.16 87
Unmitigated	7.4729	24.5114	79.2561	0.2186	17.1122	0.2177	17.3299	4.5764	0.2047	4.7811			22,100.06 21	1.0843		22,127.16 87

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	3.12	37.54	27.62	21,283	21,283
Condo/Townhouse High Rise	2.05	2.11	1.68	5,145	5,145
General Light Industry	62.03	11.75	6.05	129,581	129,581
Regional Shopping Center	20.92	24.49	12.37	28,239	28,239
Single Family Housing	2,913.41	3,032.76	2637.98	7,418,901	7,418,901
<b>Total</b>	<b>3,001.53</b>	<b>3,108.64</b>	<b>2,685.70</b>	<b>7,603,149</b>	<b>7,603,149</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
Regional Shopping Center	10.00	5.00	6.50	16.30	64.70	19.00	54	35	11
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Condo/Townhouse High Rise	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
General Light Industry	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Regional Shopping Center	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Single Family Housing	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2432	2.0837	0.9225	0.0133		0.1681	0.1681		0.1681	0.1681			2,653.4509	0.0509	0.0487	2,669.2191
NaturalGas Unmitigated	0.2432	2.0837	0.9225	0.0133		0.1681	0.1681		0.1681	0.1681			2,653.4509	0.0509	0.0487	2,669.2191

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	13.0865	1.4000e-004	1.2100e-003	5.1000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004			1.5396	3.0000e-005	3.0000e-005	1.5487
General Light Industry	873.175	9.4200e-003	0.0856	0.0719	5.1000e-004		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003			102.7265	1.9700e-003	1.8800e-003	103.3370
Regional Shopping Center	7.27616	8.0000e-005	7.1000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.8560	2.0000e-005	2.0000e-005	0.8611
Single Family Housing	21660.8	0.2336	1.9962	0.8494	0.0127		0.1614	0.1614		0.1614	0.1614			2,548.3288	0.0488	0.0467	2,563.4723
<b>Total</b>		<b>0.2432</b>	<b>2.0837</b>	<b>0.9225</b>	<b>0.0133</b>		<b>0.1681</b>	<b>0.1681</b>		<b>0.1681</b>	<b>0.1681</b>			<b>2,653.4510</b>	<b>0.0509</b>	<b>0.0487</b>	<b>2,669.2191</b>



Elk Grove GPU Construction Emissions - Sacramento County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0.0130865	1.4000e-004	1.2100e-003	5.1000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004			1.5396	3.0000e-005	3.0000e-005	1.5487
General Light Industry	0.873175	9.4200e-003	0.0856	0.0719	5.1000e-004		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003			102.7265	1.9700e-003	1.8800e-003	103.3370
Regional Shopping Center	0.00727616	8.0000e-005	7.1000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.8560	2.0000e-005	2.0000e-005	0.8611
Single Family Housing	21.6608	0.2336	1.9962	0.8494	0.0127		0.1614	0.1614		0.1614	0.1614			2,548.3288	0.0488	0.0467	2,563.4723
<b>Total</b>		<b>0.2432</b>	<b>2.0837</b>	<b>0.9225</b>	<b>0.0133</b>		<b>0.1681</b>	<b>0.1681</b>		<b>0.1681</b>	<b>0.1681</b>			<b>2,653.4510</b>	<b>0.0509</b>	<b>0.0487</b>	<b>2,669.2191</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Elk Grove GPU Construction Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	14.6903	0.2935	25.3735	1.3400e-003		0.1395	0.1395		0.1395	0.1395			45.5367	0.0444	0.0000	46.6469
Unmitigated	14.6903	0.2935	25.3735	1.3400e-003		0.1395	0.1395		0.1395	0.1395			45.5367	0.0444	0.0000	46.6469

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	1.9142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.0034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.7727	0.2935	25.3735	1.3400e-003		0.1395	0.1395		0.1395	0.1395			45.5367	0.0444		46.6469
<b>Total</b>	<b>14.6903</b>	<b>0.2935</b>	<b>25.3735</b>	<b>1.3400e-003</b>		<b>0.1395</b>	<b>0.1395</b>		<b>0.1395</b>	<b>0.1395</b>			<b>45.5367</b>	<b>0.0444</b>	<b>0.0000</b>	<b>46.6469</b>

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.9142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.0034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.7727	0.2935	25.3735	1.3400e-003		0.1395	0.1395		0.1395	0.1395			45.5367	0.0444		46.6469
<b>Total</b>	<b>14.6903</b>	<b>0.2935</b>	<b>25.3735</b>	<b>1.3400e-003</b>		<b>0.1395</b>	<b>0.1395</b>		<b>0.1395</b>	<b>0.1395</b>			<b>45.5367</b>	<b>0.0444</b>	<b>0.0000</b>	<b>46.6469</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Elk Grove GPU Construction Emissions - Sacramento County, Summer

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Elk Grove GPU Operational Emissions - Sacramento County, Summer

**Elk Grove GPU Operational Emissions  
Sacramento County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2,273.00	1000sqft	52.18	2,273,000.00	0
General Light Industry	763.00	1000sqft	17.52	763,000.00	0
General Heavy Industry	409.00	1000sqft	9.39	409,000.00	0
City Park	68.00	Acre	68.00	2,962,080.00	0
Single Family Housing	1,379.00	Dwelling Unit	447.73	2,482,200.00	3682
Apartments High Rise	253.00	Dwelling Unit	4.08	253,000.00	676
Apartments Mid Rise	143.00	Dwelling Unit	3.76	143,000.00	382
Condo/Townhouse	9.00	Dwelling Unit	0.56	9,000.00	24
Regional Shopping Center	26.00	1000sqft	0.60	26,000.00	0
Government Office Building	31.00	1000sqft	0.71	31,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2015
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	590.31	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Elk Grove GPU Operational Emissions - Sacramento County, Summer

Project Characteristics - Elk Grove GPU baseline operational emissions for 2015

Land Use - Base upon existing land use types in 2015 scaled down

Construction Phase - this model runs for operational emissions only

Vehicle Trips - mobile source emissions were modeling using EMFAC 2014

Energy Use - Assumes the existing buildings do not comply with the 2016 title 24 standard

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	150.00

## 2.0 Emissions Summary

### 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					
2014	4.6537	48.0329			0.1141	2.5257	2.6398	0.0303	2.3580	2.3883			4,186.2276	1.0979	0.0000	4,213.6741
2015	4.5782	47.1177			0.1141	2.4643	2.5784	0.0303	2.2982	2.3284			4,148.8005	1.0909	0.0000	4,176.0717
2016	4.4438	45.5073			0.1141	2.3637	2.4778	0.0303	2.2024	2.2327			4,110.9626	1.0839	0.0000	4,138.0604
2017	5.0646	52.3357			18.2032	2.8796	21.0828	9.9670	2.6493	12.6163			4,054.8622	1.1994	0.0000	4,081.8101
2018	4.6555	48.2514			18.2032	2.5779	20.7811	9.9670	2.3717	12.3387			3,984.1484	1.1981	0.0000	4,014.1005
2019	4.8326	54.5717			18.2032	2.3913	20.5945	9.9670	2.2000	12.1670			6,303.7478	1.9478	0.0000	6,352.4426

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	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					
2020	4.5363	50.2433			8.8255	2.1750	11.0004	3.6369	2.0010	5.6378			6,164.5679	1.9470	0.0000	6,213.2420
2021	4.2713	46.4409			8.8255	1.9864	10.8119	3.6369	1.8275	5.4643			6,160.3393	1.9469	0.0000	6,209.0112
2022	3.6996	38.8804			8.8255	1.6359	10.4614	3.6369	1.5050	5.1419			6,159.2088	1.9479	0.0000	6,207.9058
2023	15.8393	121.0651			32.3947	1.4255	33.3962	8.7620	1.3114	9.7034			57,611.5724	2.7034	0.0000	57,679.1566
2024	14.9075	117.7060			32.3940	0.9047	33.2987	8.7618	0.8500	9.6118			56,520.9043	2.6282	0.0000	56,586.6080
2025	14.0851	114.4698			32.3933	0.8093	33.2026	8.7615	0.7602	9.5217			55,445.6754	2.5614	0.0000	55,509.7097
2026	13.4466	112.3613			32.3927	0.7981	33.1908	8.7613	0.7496	9.5109			54,477.0399	2.5057	0.0000	54,539.6831
2027	12.8331	110.4320			32.3922	0.7851	33.1773	8.7611	0.7374	9.4985			53,603.2133	2.4543	0.0000	53,664.5716
2028	12.2194	108.7702			32.3918	0.7707	33.1624	8.7609	0.7240	9.4849			52,833.2637	2.4077	0.0000	52,893.4564
2029	11.5669	107.1938			32.3914	0.7565	33.1479	8.7608	0.7107	9.4715			52,148.3005	2.3626	0.0000	52,207.3657
2030	10.8806	101.1928			32.3910	0.3635	32.7545	8.7607	0.3500	9.1106			51,885.1176	1.8354	0.0000	51,931.0031
2031	10.2315	99.8525			32.3907	0.3509	32.7417	8.7606	0.3382	9.0987			51,358.6433	1.7969	0.0000	51,403.5658
2032	9.6518	98.6217			32.3905	0.3398	32.7303	8.7605	0.3278	9.0882			50,905.6124	1.7632	0.0000	50,949.6925
2033	9.1752	97.5428			32.3902	0.3300	32.7202	8.7604	0.3186	9.0790			50,514.3318	1.7345	0.0000	50,557.6938
2034	8.7437	96.5562			32.3901	0.3207	32.7107	8.7603	0.3100	9.0703			50,178.2672	1.7077	0.0000	50,220.9584
2035	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.0791	1.6757	0.0000	49,935.9708
2036	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.0791	1.6757	0.0000	49,935.9708
2037	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.0791	1.6757	0.0000	49,935.9708

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	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					
2038	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2039	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2040	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2041	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2042	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2043	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2044	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2045	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2046	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2047	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2048	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2049	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2050	6.2042	89.1882			32.3886	0.1974	32.5860	8.7598	0.1901	8.9499			48,666.45 41	1.5180	0.0000	48,704.40 38
2051	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2052	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2053	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2054	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2055	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3



Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	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					
2056	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2057	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2058	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2059	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2060	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2061	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2062	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2063	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2064	1.1970	6.8903			26.9876	0.1164	27.0613	6.6242	0.1164	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2065	1.0112	3.6566			0.0992	0.1164	0.2156	0.0243	0.1164	0.1408			2,656.516 8	0.0893	0.0000	2,658.748 9
2066	1.0112	3.6566			0.0992	0.1164	0.2156	0.0243	0.1164	0.1408			2,656.516 8	0.0893	0.0000	2,658.748 9
2067	110.2801	3.6566			4.3233	0.1164	4.3307	1.0612	0.1164	1.0686			2,656.516 8	0.0893	0.0000	2,658.748 9
2068	110.2801	0.7270			4.3233	7.4300e-003	4.3307	1.0612	7.4300e-003	1.0686			281.4481	9.9000e-003	0.0000	281.6957
2069	110.2801	0.7270			4.3233	7.4300e-003	4.3307	1.0612	7.4300e-003	1.0686			281.4481	9.9000e-003	0.0000	281.6957
2070	110.2801	0.7270			4.3233	7.4300e-003	4.3307	1.0612	7.4300e-003	1.0686			281.4481	9.9000e-003	0.0000	281.6957
<b>Maximum</b>	<b>110.2801</b>	<b>121.0651</b>			<b>32.3947</b>	<b>2.8796</b>	<b>33.3962</b>	<b>9.9670</b>	<b>2.6493</b>	<b>12.6163</b>			<b>57,611.57 24</b>	<b>2.7034</b>	<b>0.0000</b>	<b>57,679.15 66</b>

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

## Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	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	4.6537	48.0329			0.1141	2.5257	2.6398	0.0303	2.3580	2.3883			4,186.2276	1.0979	0.0000	4,213.6741
2015	4.5782	47.1177			0.1141	2.4643	2.5784	0.0303	2.2982	2.3284			4,148.8005	1.0909	0.0000	4,176.0717
2016	4.4438	45.5073			0.1141	2.3637	2.4778	0.0303	2.2024	2.2327			4,110.9626	1.0839	0.0000	4,138.0604
2017	5.0646	52.3357			18.2032	2.8796	21.0828	9.9670	2.6493	12.6163			4,054.8622	1.1994	0.0000	4,081.8101
2018	4.6555	48.2514			18.2032	2.5779	20.7811	9.9670	2.3717	12.3387			3,984.1484	1.1981	0.0000	4,014.1005
2019	4.8326	54.5717			18.2032	2.3913	20.5945	9.9670	2.2000	12.1670			6,303.7478	1.9478	0.0000	6,352.4426
2020	4.5363	50.2433			8.8255	2.1750	11.0004	3.6369	2.0010	5.6378			6,164.5679	1.9470	0.0000	6,213.2420
2021	4.2713	46.4409			8.8255	1.9864	10.8119	3.6369	1.8275	5.4643			6,160.3392	1.9469	0.0000	6,209.0112
2022	3.6996	38.8804			8.8255	1.6359	10.4614	3.6369	1.5050	5.1419			6,159.2088	1.9479	0.0000	6,207.9058
2023	15.8393	121.0651			32.3947	1.4255	33.3962	8.7620	1.3114	9.7034			57,611.5724	2.7034	0.0000	57,679.1566
2024	14.9075	117.7060			32.3940	0.9047	33.2987	8.7618	0.8500	9.6118			56,520.9043	2.6282	0.0000	56,586.6080
2025	14.0851	114.4698			32.3933	0.8093	33.2026	8.7615	0.7602	9.5217			55,445.6754	2.5614	0.0000	55,509.7097
2026	13.4466	112.3613			32.3927	0.7981	33.1908	8.7613	0.7496	9.5109			54,477.0399	2.5057	0.0000	54,539.6831
2027	12.8331	110.4320			32.3922	0.7851	33.1773	8.7611	0.7374	9.4985			53,603.2133	2.4543	0.0000	53,664.5716
2028	12.2194	108.7702			32.3918	0.7707	33.1624	8.7609	0.7240	9.4849			52,833.2637	2.4077	0.0000	52,893.4564
2029	11.5669	107.1938			32.3914	0.7565	33.1479	8.7608	0.7107	9.4715			52,148.3005	2.3626	0.0000	52,207.3657
2030	10.8806	101.1928			32.3910	0.3635	32.7545	8.7607	0.3500	9.1106			51,885.1176	1.8354	0.0000	51,931.0031

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	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					
2031	10.2315	99.8525			32.3907	0.3509	32.7417	8.7606	0.3382	9.0987			51,358.64 33	1.7969	0.0000	51,403.56 58
2032	9.6518	98.6217			32.3905	0.3398	32.7303	8.7605	0.3278	9.0882			50,905.61 24	1.7632	0.0000	50,949.69 25
2033	9.1752	97.5428			32.3902	0.3300	32.7202	8.7604	0.3186	9.0790			50,514.33 18	1.7345	0.0000	50,557.69 38
2034	8.7437	96.5562			32.3901	0.3207	32.7107	8.7603	0.3100	9.0703			50,178.26 72	1.7077	0.0000	50,220.95 84
2035	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2036	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2037	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2038	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2039	8.2772	94.9251			32.3899	0.2547	32.6446	8.7603	0.2446	9.0048			49,894.07 91	1.6757	0.0000	49,935.97 08
2040	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2041	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2042	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2043	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2044	6.8957	91.8257			32.3893	0.2131	32.6024	8.7600	0.2047	8.9648			49,087.95 54	1.5916	0.0000	49,127.74 52
2045	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2046	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2047	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2048	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	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					
2049	6.3719	90.2980			32.3889	0.2023	32.5912	8.7599	0.1947	8.9546			48,751.24 80	1.5507	0.0000	48,790.01 49
2050	6.2042	89.1882			32.3886	0.1974	32.5860	8.7598	0.1901	8.9499			48,666.45 41	1.5180	0.0000	48,704.40 38
2051	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2052	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2053	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2054	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2055	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2056	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2057	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2058	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2059	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2060	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2061	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2062	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2063	1.1970	6.8903			26.9876	0.0737	27.0613	6.6242	0.0737	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2064	1.1970	6.8903			26.9876	0.1164	27.0613	6.6242	0.1164	6.6980			2,897.547 1	0.1041	0.0000	2,900.150 3
2065	1.0112	3.6566			0.0992	0.1164	0.2156	0.0243	0.1164	0.1408			2,656.516 8	0.0893	0.0000	2,658.748 9
2066	1.0112	3.6566			0.0992	0.1164	0.2156	0.0243	0.1164	0.1408			2,656.516 8	0.0893	0.0000	2,658.748 9



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**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	164.9560	1.7701				0.8042	0.8042		0.8042	0.8042			265.7986	0.2779	0.0000	272.7450
Energy	3.3081	29.4342				2.2856	2.2856		2.2856	2.2856			36,088.2793	0.6917	0.6616	36,302.7339
Mobile	194.3331	534.8048			248.4217	6.0796	254.5013	66.5305	5.7593	72.2897			363,506.9212	24.7410		364,125.4453
<b>Total</b>	<b>362.5972</b>	<b>566.0091</b>			<b>248.4217</b>	<b>9.1694</b>	<b>257.5911</b>	<b>66.5305</b>	<b>8.8490</b>	<b>75.3795</b>			<b>399,860.9990</b>	<b>25.7105</b>	<b>0.6616</b>	<b>400,700.9242</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	164.9560	1.7701				0.8042	0.8042		0.8042	0.8042			265.7986	0.2779	0.0000	272.7450
Energy	3.3081	29.4342				2.2856	2.2856		2.2856	2.2856			36,088.2793	0.6917	0.6616	36,302.7339
Mobile	194.3331	534.8048			248.4217	6.0796	254.5013	66.5305	5.7593	72.2897			363,506.9212	24.7410		364,125.4453
<b>Total</b>	<b>362.5972</b>	<b>566.0091</b>			<b>248.4217</b>	<b>9.1694</b>	<b>257.5911</b>	<b>66.5305</b>	<b>8.8490</b>	<b>75.3795</b>			<b>399,860.9990</b>	<b>25.7105</b>	<b>0.6616</b>	<b>400,700.9242</b>

## Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2014	8/4/2017	5	700	
2	Site Preparation	Site Preparation	8/5/2017	3/15/2019	5	420	
3	Grading	Grading	3/16/2019	5/12/2023	5	1085	
4	Building Construction	Building Construction	5/13/2023	12/12/2064	5	10850	
5	Paving	Paving	12/13/2064	11/25/2067	5	770	
6	Architectural Coating	Architectural Coating	11/26/2067	11/7/2070	5	770	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2712.5

Acres of Paving: 0

Residential Indoor: 5,846,580; Residential Outdoor: 1,948,860; Non-Residential Indoor: 5,253,000; Non-Residential Outdoor: 1,751,000; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Elk Grove GPU Operational Emissions - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT



Elk Grove GPU Operational Emissions - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,270.00	1,250.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	654.00	0.00	0.00	10.00	6.50	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	lb/day										lb/day					
Off-Road	4.5339	47.9591				2.5246	2.5246		2.3570	2.3570			4,047.0313	1.0907		4,074.2982
<b>Total</b>	<b>4.5339</b>	<b>47.9591</b>				<b>2.5246</b>	<b>2.5246</b>		<b>2.3570</b>	<b>2.3570</b>			<b>4,047.0313</b>	<b>1.0907</b>		<b>4,074.2982</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1198	0.0738			0.1141	1.0800e-003	0.1152	0.0303	1.0000e-003	0.0313			139.1963	7.1800e-003		139.3759
<b>Total</b>	<b>0.1198</b>	<b>0.0738</b>			<b>0.1141</b>	<b>1.0800e-003</b>	<b>0.1152</b>	<b>0.0303</b>	<b>1.0000e-003</b>	<b>0.0313</b>			<b>139.1963</b>	<b>7.1800e-003</b>		<b>139.3759</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5339	47.9591				2.5246	2.5246		2.3570	2.3570			4,047.0313	1.0907		4,074.2982
<b>Total</b>	<b>4.5339</b>	<b>47.9591</b>				<b>2.5246</b>	<b>2.5246</b>		<b>2.3570</b>	<b>2.3570</b>			<b>4,047.0313</b>	<b>1.0907</b>		<b>4,074.2982</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2014**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1198	0.0738			0.1141	1.0800e-003	0.1152	0.0303	1.0000e-003	0.0313			139.1963	7.1800e-003		139.3759
<b>Total</b>	<b>0.1198</b>	<b>0.0738</b>			<b>0.1141</b>	<b>1.0800e-003</b>	<b>0.1152</b>	<b>0.0303</b>	<b>1.0000e-003</b>	<b>0.0313</b>			<b>139.1963</b>	<b>7.1800e-003</b>		<b>139.3759</b>

**3.2 Demolition - 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	4.4696	47.0522				2.4633	2.4633		2.2972	2.2972			4,012.0679	1.0845		4,039.1792
<b>Total</b>	<b>4.4696</b>	<b>47.0522</b>				<b>2.4633</b>	<b>2.4633</b>		<b>2.2972</b>	<b>2.2972</b>			<b>4,012.0679</b>	<b>1.0845</b>		<b>4,039.1792</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1086	0.0655			0.1141	9.9000e-004	0.1151	0.0303	9.2000e-004	0.0312			136.7326	6.4000e-003		136.8925
<b>Total</b>	<b>0.1086</b>	<b>0.0655</b>			<b>0.1141</b>	<b>9.9000e-004</b>	<b>0.1151</b>	<b>0.0303</b>	<b>9.2000e-004</b>	<b>0.0312</b>			<b>136.7326</b>	<b>6.4000e-003</b>		<b>136.8925</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4696	47.0522				2.4633	2.4633		2.2972	2.2972			4,012.0679	1.0845		4,039.1792
<b>Total</b>	<b>4.4696</b>	<b>47.0522</b>				<b>2.4633</b>	<b>2.4633</b>		<b>2.2972</b>	<b>2.2972</b>			<b>4,012.0679</b>	<b>1.0845</b>		<b>4,039.1792</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1086	0.0655			0.1141	9.9000e-004	0.1151	0.0303	9.2000e-004	0.0312			136.7326	6.4000e-003		136.8925
<b>Total</b>	<b>0.1086</b>	<b>0.0655</b>			<b>0.1141</b>	<b>9.9000e-004</b>	<b>0.1151</b>	<b>0.0303</b>	<b>9.2000e-004</b>	<b>0.0312</b>			<b>136.7326</b>	<b>6.4000e-003</b>		<b>136.8925</b>

**3.2 Demolition - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3463	45.4497				2.3628	2.3628		2.2015	2.2015			3,977.1928	1.0783		4,004.1491
<b>Total</b>	<b>4.3463</b>	<b>45.4497</b>				<b>2.3628</b>	<b>2.3628</b>		<b>2.2015</b>	<b>2.2015</b>			<b>3,977.1928</b>	<b>1.0783</b>		<b>4,004.1491</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2016**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	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
Worker	0.0974	0.0576			0.1141	9.3000e-004	0.1150	0.0303	8.6000e-004	0.0311			133.7698	5.6600e-003		133.9113
<b>Total</b>	<b>0.0974</b>	<b>0.0576</b>			<b>0.1141</b>	<b>9.3000e-004</b>	<b>0.1150</b>	<b>0.0303</b>	<b>8.6000e-004</b>	<b>0.0311</b>			<b>133.7698</b>	<b>5.6600e-003</b>		<b>133.9113</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3463	45.4497				2.3628	2.3628		2.2015	2.2015			3,977.1928	1.0783		4,004.1491
<b>Total</b>	<b>4.3463</b>	<b>45.4497</b>				<b>2.3628</b>	<b>2.3628</b>		<b>2.2015</b>	<b>2.2015</b>			<b>3,977.1928</b>	<b>1.0783</b>		<b>4,004.1491</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2016**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	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
Worker	0.0974	0.0576			0.1141	9.3000e-004	0.1150	0.0303	8.6000e-004	0.0311			133.7698	5.6600e-003		133.9113
<b>Total</b>	<b>0.0974</b>	<b>0.0576</b>			<b>0.1141</b>	<b>9.3000e-004</b>	<b>0.1150</b>	<b>0.0303</b>	<b>8.6000e-004</b>	<b>0.0311</b>			<b>133.7698</b>	<b>5.6600e-003</b>		<b>133.9113</b>

**3.2 Demolition - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475				2.1935	2.1935		2.0425	2.0425			3,924.2833	1.0730		3,951.1070
<b>Total</b>	<b>4.1031</b>	<b>42.7475</b>				<b>2.1935</b>	<b>2.1935</b>		<b>2.0425</b>	<b>2.0425</b>			<b>3,924.2833</b>	<b>1.0730</b>		<b>3,951.1070</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2017**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0865	0.0503			0.1141	8.7000e-004	0.1150	0.0303	8.1000e-004	0.0311			130.5788	4.9700e-003		130.7032
<b>Total</b>	<b>0.0865</b>	<b>0.0503</b>			<b>0.1141</b>	<b>8.7000e-004</b>	<b>0.1150</b>	<b>0.0303</b>	<b>8.1000e-004</b>	<b>0.0311</b>			<b>130.5788</b>	<b>4.9700e-003</b>		<b>130.7032</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475				2.1935	2.1935		2.0425	2.0425			3,924.2833	1.0730		3,951.1070
<b>Total</b>	<b>4.1031</b>	<b>42.7475</b>				<b>2.1935</b>	<b>2.1935</b>		<b>2.0425</b>	<b>2.0425</b>			<b>3,924.2833</b>	<b>1.0730</b>		<b>3,951.1070</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.2 Demolition - 2017**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0865	0.0503			0.1141	8.7000e-004	0.1150	0.0303	8.1000e-004	0.0311			130.5788	4.9700e-003		130.7032
<b>Total</b>	<b>0.0865</b>	<b>0.0503</b>			<b>0.1141</b>	<b>8.7000e-004</b>	<b>0.1150</b>	<b>0.0303</b>	<b>8.1000e-004</b>	<b>0.0311</b>			<b>130.5788</b>	<b>4.9700e-003</b>		<b>130.7032</b>

**3.3 Site Preparation - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754				2.8786	2.8786		2.6483	2.6483			3,894.9500	1.1934		3,924.7852
<b>Total</b>	<b>4.9608</b>	<b>52.2754</b>			<b>18.0663</b>	<b>2.8786</b>	<b>20.9448</b>	<b>9.9307</b>	<b>2.6483</b>	<b>12.5790</b>			<b>3,894.9500</b>	<b>1.1934</b>		<b>3,924.7852</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2017**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1038	0.0603			0.1369	1.0500e-003	0.1380	0.0363	9.7000e-004	0.0373			156.6946	5.9700e-003		156.8438
<b>Total</b>	<b>0.1038</b>	<b>0.0603</b>			<b>0.1369</b>	<b>1.0500e-003</b>	<b>0.1380</b>	<b>0.0363</b>	<b>9.7000e-004</b>	<b>0.0373</b>			<b>156.6946</b>	<b>5.9700e-003</b>		<b>156.8438</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754				2.8786	2.8786		2.6483	2.6483			3,894.9500	1.1934		3,924.7852
<b>Total</b>	<b>4.9608</b>	<b>52.2754</b>			<b>18.0663</b>	<b>2.8786</b>	<b>20.9448</b>	<b>9.9307</b>	<b>2.6483</b>	<b>12.5790</b>			<b>3,894.9500</b>	<b>1.1934</b>		<b>3,924.7852</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2017**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1038	0.0603			0.1369	1.0500e-003	0.1380	0.0363	9.7000e-004	0.0373			156.6946	5.9700e-003		156.8438
<b>Total</b>	<b>0.1038</b>	<b>0.0603</b>			<b>0.1369</b>	<b>1.0500e-003</b>	<b>0.1380</b>	<b>0.0363</b>	<b>9.7000e-004</b>	<b>0.0373</b>			<b>156.6946</b>	<b>5.9700e-003</b>		<b>156.8438</b>

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988				2.5769	2.5769		2.3708	2.3708			3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>			<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>			<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0928	0.0526			0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373			152.5246	5.2500e-003		152.6557
<b>Total</b>	<b>0.0928</b>	<b>0.0526</b>			<b>0.1369</b>	<b>1.0100e-003</b>	<b>0.1379</b>	<b>0.0363</b>	<b>9.3000e-004</b>	<b>0.0373</b>			<b>152.5246</b>	<b>5.2500e-003</b>		<b>152.6557</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988				2.5769	2.5769		2.3708	2.3708			3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>			<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>			<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0928	0.0526			0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373			152.5246	5.2500e-003		152.6557
<b>Total</b>	<b>0.0928</b>	<b>0.0526</b>			<b>0.1369</b>	<b>1.0100e-003</b>	<b>0.1379</b>	<b>0.0363</b>	<b>9.3000e-004</b>	<b>0.0373</b>			<b>152.5246</b>	<b>5.2500e-003</b>		<b>152.6557</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727				2.3904	2.3904		2.1991	2.1991			3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>			<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>			<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0843	0.0463			0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372			147.3555	4.6400e-003		147.4714
<b>Total</b>	<b>0.0843</b>	<b>0.0463</b>			<b>0.1369</b>	<b>9.8000e-004</b>	<b>0.1379</b>	<b>0.0363</b>	<b>9.0000e-004</b>	<b>0.0372</b>			<b>147.3555</b>	<b>4.6400e-003</b>		<b>147.4714</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727				2.3904	2.3904		2.1991	2.1991			3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>			<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>			<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.3 Site Preparation - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0843	0.0463			0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372			147.3555	4.6400e-003		147.4714
<b>Total</b>	<b>0.0843</b>	<b>0.0463</b>			<b>0.1369</b>	<b>9.8000e-004</b>	<b>0.1379</b>	<b>0.0363</b>	<b>9.0000e-004</b>	<b>0.0372</b>			<b>147.3555</b>	<b>4.6400e-003</b>		<b>147.4714</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202				2.3827	2.3827		2.1920	2.1920			6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>			<b>8.6733</b>	<b>2.3827</b>	<b>11.0560</b>	<b>3.5965</b>	<b>2.1920</b>	<b>5.7885</b>			<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0937	0.0515			0.1521	1.0800e-003	0.1532	0.0404	1.0000e-003	0.0414			163.7283	5.1500e-003		163.8572
<b>Total</b>	<b>0.0937</b>	<b>0.0515</b>			<b>0.1521</b>	<b>1.0800e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>1.0000e-003</b>	<b>0.0414</b>			<b>163.7283</b>	<b>5.1500e-003</b>		<b>163.8572</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202				2.3827	2.3827		2.1920	2.1920			6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>			<b>8.6733</b>	<b>2.3827</b>	<b>11.0560</b>	<b>3.5965</b>	<b>2.1920</b>	<b>5.7885</b>			<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0937	0.0515			0.1521	1.0800e-003	0.1532	0.0404	1.0000e-003	0.0414			163.7283	5.1500e-003		163.8572
<b>Total</b>	<b>0.0937</b>	<b>0.0515</b>			<b>0.1521</b>	<b>1.0800e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>1.0000e-003</b>	<b>0.0414</b>			<b>163.7283</b>	<b>5.1500e-003</b>		<b>163.8572</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975				2.1739	2.1739		2.0000	2.0000			6,005.8653	1.9424		6,054.4257
<b>Total</b>	<b>4.4501</b>	<b>50.1975</b>			<b>8.6733</b>	<b>2.1739</b>	<b>10.8472</b>	<b>3.5965</b>	<b>2.0000</b>	<b>5.5965</b>			<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0862	0.0458			0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413			158.7026	4.5500e-003		158.8163
<b>Total</b>	<b>0.0862</b>	<b>0.0458</b>			<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.7000e-004</b>	<b>0.0413</b>			<b>158.7026</b>	<b>4.5500e-003</b>		<b>158.8163</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975				2.1739	2.1739		2.0000	2.0000			6,005.8653	1.9424		6,054.4257
<b>Total</b>	<b>4.4501</b>	<b>50.1975</b>			<b>8.6733</b>	<b>2.1739</b>	<b>10.8472</b>	<b>3.5965</b>	<b>2.0000</b>	<b>5.5965</b>			<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0862	0.0458			0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413			158.7026	4.5500e-003		158.8163
<b>Total</b>	<b>0.0862</b>	<b>0.0458</b>			<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.7000e-004</b>	<b>0.0413</b>			<b>158.7026</b>	<b>4.5500e-003</b>		<b>158.8163</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998				1.9853	1.9853		1.8265	1.8265			6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>			<b>8.6733</b>	<b>1.9853</b>	<b>10.6587</b>	<b>3.5965</b>	<b>1.8265</b>	<b>5.4230</b>			<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0802	0.0410			0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413			153.2958	4.0800e-003		153.3978
<b>Total</b>	<b>0.0802</b>	<b>0.0410</b>			<b>0.1521</b>	<b>1.0300e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.5000e-004</b>	<b>0.0413</b>			<b>153.2958</b>	<b>4.0800e-003</b>		<b>153.3978</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998				1.9853	1.9853		1.8265	1.8265			6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>			<b>8.6733</b>	<b>1.9853</b>	<b>10.6587</b>	<b>3.5965</b>	<b>1.8265</b>	<b>5.4230</b>			<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0802	0.0410			0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413			153.2958	4.0800e-003		153.3978
<b>Total</b>	<b>0.0802</b>	<b>0.0410</b>			<b>0.1521</b>	<b>1.0300e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.5000e-004</b>	<b>0.0413</b>			<b>153.2958</b>	<b>4.0800e-003</b>		<b>153.3978</b>

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435				1.6349	1.6349		1.5041	1.5041			6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>			<b>8.6733</b>	<b>1.6349</b>	<b>10.3082</b>	<b>3.5965</b>	<b>1.5041</b>	<b>5.1006</b>			<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0748	0.0369			0.1521	1.0000e-003	0.1531	0.0404	9.2000e-004	0.0413			147.7983	3.6700e-003		147.8899
<b>Total</b>	<b>0.0748</b>	<b>0.0369</b>			<b>0.1521</b>	<b>1.0000e-003</b>	<b>0.1531</b>	<b>0.0404</b>	<b>9.2000e-004</b>	<b>0.0413</b>			<b>147.7983</b>	<b>3.6700e-003</b>		<b>147.8899</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435				1.6349	1.6349		1.5041	1.5041			6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>			<b>8.6733</b>	<b>1.6349</b>	<b>10.3082</b>	<b>3.5965</b>	<b>1.5041</b>	<b>5.1006</b>			<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0748	0.0369			0.1521	1.0000e-003	0.1531	0.0404	9.2000e-004	0.0413			147.7983	3.6700e-003		147.8899
<b>Total</b>	<b>0.0748</b>	<b>0.0369</b>			<b>0.1521</b>	<b>1.0000e-003</b>	<b>0.1531</b>	<b>0.0404</b>	<b>9.2000e-004</b>	<b>0.0413</b>			<b>147.7983</b>	<b>3.6700e-003</b>		<b>147.8899</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3217	34.5156				1.4245	1.4245		1.3105	1.3105			6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>			<b>8.6733</b>	<b>1.4245</b>	<b>10.0978</b>	<b>3.5965</b>	<b>1.3105</b>	<b>4.9070</b>			<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0699	0.0332			0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413			142.2416	3.2900e-003		142.3238
<b>Total</b>	<b>0.0699</b>	<b>0.0332</b>			<b>0.1521</b>	<b>9.8000e-004</b>	<b>0.1531</b>	<b>0.0404</b>	<b>9.0000e-004</b>	<b>0.0413</b>			<b>142.2416</b>	<b>3.2900e-003</b>		<b>142.3238</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3217	34.5156				1.4245	1.4245		1.3105	1.3105			6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>			<b>8.6733</b>	<b>1.4245</b>	<b>10.0978</b>	<b>3.5965</b>	<b>1.3105</b>	<b>4.9070</b>			<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.4 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0699	0.0332			0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413			142.2416	3.2900e-003		142.3238
<b>Total</b>	<b>0.0699</b>	<b>0.0332</b>			<b>0.1521</b>	<b>9.8000e-004</b>	<b>0.1531</b>	<b>0.0404</b>	<b>9.0000e-004</b>	<b>0.0413</b>			<b>142.2416</b>	<b>3.2900e-003</b>		<b>142.3238</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849				0.6997	0.6997		0.6584	0.6584			2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>				<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>			<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.8324	101.2489			7.5198	0.1423	7.6621	2.1637	0.1360	2.2998			31,799.85 38	1.5581		31,838.80 72
Worker	11.4342	5.4314			24.8749	0.1596	25.0344	6.5983	0.1470	6.7453			23,256.50 87	0.5374		23,269.94 34
<b>Total</b>	<b>14.2666</b>	<b>106.6802</b>			<b>32.3947</b>	<b>0.3018</b>	<b>32.6965</b>	<b>8.7620</b>	<b>0.2830</b>	<b>9.0450</b>			<b>55,056.36 25</b>	<b>2.0955</b>		<b>55,108.75 05</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849				0.6997	0.6997		0.6584	0.6584			2,555.209 9	0.6079		2,570.406 1
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>				<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>			<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.8324	101.2489			7.5198	0.1423	7.6621	2.1637	0.1360	2.2998			31,799.85 38	1.5581		31,838.80 72
Worker	11.4342	5.4314			24.8749	0.1596	25.0344	6.5983	0.1470	6.7453			23,256.50 87	0.5374		23,269.94 34
<b>Total</b>	<b>14.2666</b>	<b>106.6802</b>			<b>32.3947</b>	<b>0.3018</b>	<b>32.6965</b>	<b>8.7620</b>	<b>0.2830</b>	<b>9.0450</b>			<b>55,056.36 25</b>	<b>2.0955</b>		<b>55,108.75 05</b>

**3.5 Building Construction - 2024**

**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	1.4716	13.4438				0.6133	0.6133		0.5769	0.5769			2,555.698 9	0.6044		2,570.807 7
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>				<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>			<b>2,555.698 9</b>	<b>0.6044</b>		<b>2,570.807 7</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.6988	99.3515			7.5191	0.1353	7.6544	2.1635	0.1294	2.2929			31,613.9372	1.5390		31,652.4126
Worker	10.7371	4.9107			24.8749	0.1560	25.0309	6.5983	0.1437	6.7420			22,351.2682	0.4848		22,363.3877
<b>Total</b>	<b>13.4359</b>	<b>104.2622</b>			<b>32.3940</b>	<b>0.2914</b>	<b>32.6853</b>	<b>8.7618</b>	<b>0.2731</b>	<b>9.0349</b>			<b>53,965.2054</b>	<b>2.0238</b>		<b>54,015.8003</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438				0.6133	0.6133		0.5769	0.5769			2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>				<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>			<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.6988	99.3515			7.5191	0.1353	7.6544	2.1635	0.1294	2.2929			31,613.9372	1.5390		31,652.4126
Worker	10.7371	4.9107			24.8749	0.1560	25.0309	6.5983	0.1437	6.7420			22,351.2682	0.4848		22,363.3877
<b>Total</b>	<b>13.4359</b>	<b>104.2622</b>			<b>32.3940</b>	<b>0.2914</b>	<b>32.6853</b>	<b>8.7618</b>	<b>0.2731</b>	<b>9.0349</b>			<b>53,965.2054</b>	<b>2.0238</b>		<b>54,015.8003</b>

**3.5 Building Construction - 2025**

**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	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.5884	97.5397			7.5184	0.1286	7.6471	2.1632	0.1230	2.2862			31,433.97 41	1.5209		31,471.99 72
Worker	10.1293	4.4604			24.8749	0.1531	25.0280	6.5983	0.1410	6.7393			21,455.22 70	0.4395		21,466.21 44
<b>Total</b>	<b>12.7177</b>	<b>102.0002</b>			<b>32.3933</b>	<b>0.2818</b>	<b>32.6751</b>	<b>8.7615</b>	<b>0.2640</b>	<b>9.0255</b>			<b>52,889.20 11</b>	<b>1.9604</b>		<b>52,938.21 17</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.5884	97.5397			7.5184	0.1286	7.6471	2.1632	0.1230	2.2862			31,433.97 41	1.5209		31,471.99 72
Worker	10.1293	4.4604			24.8749	0.1531	25.0280	6.5983	0.1410	6.7393			21,455.22 70	0.4395		21,466.21 44
<b>Total</b>	<b>12.7177</b>	<b>102.0002</b>			<b>32.3933</b>	<b>0.2818</b>	<b>32.6751</b>	<b>8.7615</b>	<b>0.2640</b>	<b>9.0255</b>			<b>52,889.20 11</b>	<b>1.9604</b>		<b>52,938.21 17</b>

**3.5 Building Construction - 2026**

**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	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.4910	95.8159			7.5179	0.1219	7.6397	2.1630	0.1165	2.2795			31,262.8504	1.5045		31,300.4632
Worker	9.5882	4.0757			24.8749	0.1487	25.0235	6.5983	0.1368	6.7351			20,657.7151	0.4003		20,667.7219
<b>Total</b>	<b>12.0792</b>	<b>99.8916</b>			<b>32.3927</b>	<b>0.2705</b>	<b>32.6632</b>	<b>8.7613</b>	<b>0.2534</b>	<b>9.0147</b>			<b>51,920.5655</b>	<b>1.9048</b>		<b>51,968.1850</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.4910	95.8159			7.5179	0.1219	7.6397	2.1630	0.1165	2.2795			31,262.8504	1.5045		31,300.4632
Worker	9.5882	4.0757			24.8749	0.1487	25.0235	6.5983	0.1368	6.7351			20,657.7151	0.4003		20,667.7219
<b>Total</b>	<b>12.0792</b>	<b>99.8916</b>			<b>32.3927</b>	<b>0.2705</b>	<b>32.6632</b>	<b>8.7613</b>	<b>0.2534</b>	<b>9.0147</b>			<b>51,920.5655</b>	<b>1.9048</b>		<b>51,968.1850</b>

**3.5 Building Construction - 2027**

**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	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2027**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.4053	94.2319			7.5173	0.1162	7.6335	2.1628	0.1111	2.2739			31,101.9908	1.4885		31,139.2032
Worker	9.0604	3.7304			24.8749	0.1413	25.0162	6.5983	0.1301	6.7284			19,944.7482	0.3649		19,953.8703
<b>Total</b>	<b>11.4657</b>	<b>97.9623</b>			<b>32.3922</b>	<b>0.2575</b>	<b>32.6497</b>	<b>8.7611</b>	<b>0.2412</b>	<b>9.0023</b>			<b>51,046.7389</b>	<b>1.8534</b>		<b>51,093.0735</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2027**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.4053	94.2319			7.5173	0.1162	7.6335	2.1628	0.1111	2.2739			31,101.9908	1.4885		31,139.2032
Worker	9.0604	3.7304			24.8749	0.1413	25.0162	6.5983	0.1301	6.7284			19,944.7482	0.3649		19,953.8703
<b>Total</b>	<b>11.4657</b>	<b>97.9623</b>			<b>32.3922</b>	<b>0.2575</b>	<b>32.6497</b>	<b>8.7611</b>	<b>0.2412</b>	<b>9.0023</b>			<b>51,046.7389</b>	<b>1.8534</b>		<b>51,093.0735</b>

**3.5 Building Construction - 2028**

**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	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2028**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.3298	92.8766			7.5169	0.1112	7.6281	2.1627	0.1063	2.2690			30,964.3641	1.4724		31,001.1728
Worker	8.5222	3.4239			24.8749	0.1319	25.0068	6.5983	0.1214	6.7197			19,312.4252	0.3344		19,320.7856
<b>Total</b>	<b>10.8520</b>	<b>96.3005</b>			<b>32.3918</b>	<b>0.2431</b>	<b>32.6349</b>	<b>8.7609</b>	<b>0.2277</b>	<b>8.9886</b>			<b>50,276.7894</b>	<b>1.8068</b>		<b>50,321.9583</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2028**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.3298	92.8766			7.5169	0.1112	7.6281	2.1627	0.1063	2.2690			30,964.3641	1.4724		31,001.1728
Worker	8.5222	3.4239			24.8749	0.1319	25.0068	6.5983	0.1214	6.7197			19,312.4252	0.3344		19,320.7856
<b>Total</b>	<b>10.8520</b>	<b>96.3005</b>			<b>32.3918</b>	<b>0.2431</b>	<b>32.6349</b>	<b>8.7609</b>	<b>0.2277</b>	<b>8.9886</b>			<b>50,276.7894</b>	<b>1.8068</b>		<b>50,321.9583</b>

**3.5 Building Construction - 2029**

**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	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2029**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.2615	91.5857			7.5165	0.1061	7.6226	2.1625	0.1014	2.2639			30,839.1083	1.4563		30,875.5145
Worker	7.9380	3.1384			24.8749	0.1229	24.9977	6.5983	0.1131	6.7113			18,752.7179	0.3054		18,760.3531
<b>Total</b>	<b>10.1995</b>	<b>94.7241</b>			<b>32.3914</b>	<b>0.2290</b>	<b>32.6203</b>	<b>8.7608</b>	<b>0.2145</b>	<b>8.9753</b>			<b>49,591.8262</b>	<b>1.7617</b>		<b>49,635.8676</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697				0.5276	0.5276		0.4963	0.4963			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>				<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2029**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.2615	91.5857			7.5165	0.1061	7.6226	2.1625	0.1014	2.2639			30,839.1083	1.4563		30,875.5145
Worker	7.9380	3.1384			24.8749	0.1229	24.9977	6.5983	0.1131	6.7113			18,752.7179	0.3054		18,760.3531
<b>Total</b>	<b>10.1995</b>	<b>94.7241</b>			<b>32.3914</b>	<b>0.2290</b>	<b>32.6203</b>	<b>8.7608</b>	<b>0.2145</b>	<b>8.9753</b>			<b>49,591.8262</b>	<b>1.7617</b>		<b>49,635.8676</b>

**3.5 Building Construction - 2030**

**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	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2030**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.2001	90.3773			7.5161	0.1010	7.6171	2.1624	0.0965	2.2589			30,727.49 50	1.4396		30,763.48 38
Worker	7.3713	2.8809			24.8749	0.1145	24.9893	6.5983	0.1053	6.7036			18,260.07 59	0.2796		18,267.06 65
<b>Total</b>	<b>9.5714</b>	<b>93.2582</b>			<b>32.3910</b>	<b>0.2154</b>	<b>32.6064</b>	<b>8.7607</b>	<b>0.2018</b>	<b>8.9625</b>			<b>48,987.57 08</b>	<b>1.7192</b>		<b>49,030.55 03</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.546 8	0.1162		2,900.452 9
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.546 8</b>	<b>0.1162</b>		<b>2,900.452 9</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2030**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.2001	90.3773			7.5161	0.1010	7.6171	2.1624	0.0965	2.2589			30,727.49 50	1.4396		30,763.48 38
Worker	7.3713	2.8809			24.8749	0.1145	24.9893	6.5983	0.1053	6.7036			18,260.07 59	0.2796		18,267.06 65
<b>Total</b>	<b>9.5714</b>	<b>93.2582</b>			<b>32.3910</b>	<b>0.2154</b>	<b>32.6064</b>	<b>8.7607</b>	<b>0.2018</b>	<b>8.9625</b>			<b>48,987.57 08</b>	<b>1.7192</b>		<b>49,030.55 03</b>

**3.5 Building Construction - 2031**

**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	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.546 8	0.1162		2,900.452 9
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.546 8</b>	<b>0.1162</b>		<b>2,900.452 9</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2031**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.1481	89.2798			7.5158	0.0964	7.6122	2.1623	0.0921	2.2544			30,632.7358	1.4251		30,668.3642
Worker	6.7743	2.6381			24.8749	0.1065	24.9813	6.5983	0.0979	6.6962			17,828.3607	0.2555		17,834.7487
<b>Total</b>	<b>8.9224</b>	<b>91.9179</b>			<b>32.3907</b>	<b>0.2028</b>	<b>32.5935</b>	<b>8.7606</b>	<b>0.1900</b>	<b>8.9506</b>			<b>48,461.0966</b>	<b>1.6807</b>		<b>48,503.1129</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2031**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.1481	89.2798			7.5158	0.0964	7.6122	2.1623	0.0921	2.2544			30,632.7358	1.4251		30,668.3642
Worker	6.7743	2.6381			24.8749	0.1065	24.9813	6.5983	0.0979	6.6962			17,828.3607	0.2555		17,834.7487
<b>Total</b>	<b>8.9224</b>	<b>91.9179</b>			<b>32.3907</b>	<b>0.2028</b>	<b>32.5935</b>	<b>8.7606</b>	<b>0.1900</b>	<b>8.9506</b>			<b>48,461.0966</b>	<b>1.6807</b>		<b>48,503.1129</b>

**3.5 Building Construction - 2032**

**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	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2032**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.1047	88.2585			7.5156	0.0926	7.6082	2.1622	0.0886	2.2507			30,555.4793	1.4124		30,590.7899
Worker	6.2380	2.4286			24.8749	0.0990	24.9739	6.5983	0.0911	6.6894			17,452.5864	0.2345		17,458.4497
<b>Total</b>	<b>8.3427</b>	<b>90.6870</b>			<b>32.3905</b>	<b>0.1917</b>	<b>32.5821</b>	<b>8.7605</b>	<b>0.1797</b>	<b>8.9401</b>			<b>48,008.0656</b>	<b>1.6470</b>		<b>48,049.2396</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2032**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.1047	88.2585			7.5156	0.0926	7.6082	2.1622	0.0886	2.2507			30,555.4793	1.4124		30,590.7899
Worker	6.2380	2.4286			24.8749	0.0990	24.9739	6.5983	0.0911	6.6894			17,452.5864	0.2345		17,458.4497
<b>Total</b>	<b>8.3427</b>	<b>90.6870</b>			<b>32.3905</b>	<b>0.1917</b>	<b>32.5821</b>	<b>8.7605</b>	<b>0.1797</b>	<b>8.9401</b>			<b>48,008.0656</b>	<b>1.6470</b>		<b>48,049.2396</b>

**3.5 Building Construction - 2033**

**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	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2033**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0681	87.3515			7.5154	0.0895	7.6048	2.1621	0.0855	2.2476			30,488.1816	1.4012		30,523.2110
Worker	5.7981	2.2567			24.8749	0.0924	24.9672	6.5983	0.0850	6.6833			17,128.6035	0.2171		17,134.0299
<b>Total</b>	<b>7.8661</b>	<b>89.6082</b>			<b>32.3902</b>	<b>0.1818</b>	<b>32.5721</b>	<b>8.7604</b>	<b>0.1705</b>	<b>8.9309</b>			<b>47,616.7851</b>	<b>1.6182</b>		<b>47,657.2410</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2033**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0681	87.3515			7.5154	0.0895	7.6048	2.1621	0.0855	2.2476			30,488.1816	1.4012		30,523.2110
Worker	5.7981	2.2567			24.8749	0.0924	24.9672	6.5983	0.0850	6.6833			17,128.6035	0.2171		17,134.0299
<b>Total</b>	<b>7.8661</b>	<b>89.6082</b>			<b>32.3902</b>	<b>0.1818</b>	<b>32.5721</b>	<b>8.7604</b>	<b>0.1705</b>	<b>8.9309</b>			<b>47,616.7851</b>	<b>1.6182</b>		<b>47,657.2410</b>

**3.5 Building Construction - 2034**

**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	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2034**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0342	86.5118			7.5152	0.0864	7.6016	2.1620	0.0826	2.2446			30,431.97 15	1.3907		30,466.73 77
Worker	5.4004	2.1098			24.8749	0.0862	24.9610	6.5983	0.0793	6.6775			16,848.74 90	0.2008		16,853.76 79
<b>Total</b>	<b>7.4346</b>	<b>88.6216</b>			<b>32.3901</b>	<b>0.1725</b>	<b>32.5626</b>	<b>8.7603</b>	<b>0.1618</b>	<b>8.9221</b>			<b>47,280.72 04</b>	<b>1.5914</b>		<b>47,320.50 56</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346				0.1481	0.1481		0.1481	0.1481			2,897.546 8	0.1162		2,900.452 9
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>				<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.546 8</b>	<b>0.1162</b>		<b>2,900.452 9</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2034**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0342	86.5118			7.5152	0.0864	7.6016	2.1620	0.0826	2.2446			30,431.97 15	1.3907		30,466.73 77
Worker	5.4004	2.1098			24.8749	0.0862	24.9610	6.5983	0.0793	6.6775			16,848.74 90	0.2008		16,853.76 79
<b>Total</b>	<b>7.4346</b>	<b>88.6216</b>			<b>32.3901</b>	<b>0.1725</b>	<b>32.5626</b>	<b>8.7603</b>	<b>0.1618</b>	<b>8.9221</b>			<b>47,280.72 04</b>	<b>1.5914</b>		<b>47,320.50 56</b>

**3.5 Building Construction - 2035**

**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	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.546 8	0.1079		2,900.244 8
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.546 8</b>	<b>0.1079</b>		<b>2,900.244 8</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2035**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2035**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**3.5 Building Construction - 2036**

**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	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2036**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2036**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**3.5 Building Construction - 2037**

**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	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2037**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.83 28	1.3808		30,420.35 29
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.69 96	0.1870		16,615.37 32
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.53 24</b>	<b>1.5678</b>		<b>47,035.72 61</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.546 8	0.1079		2,900.244 8
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.546 8</b>	<b>0.1079</b>		<b>2,900.244 8</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2037**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**3.5 Building Construction - 2038**

**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	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2038**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2038**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.8328	1.3808		30,420.3529
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.6996	0.1870		16,615.3732
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.5324</b>	<b>1.5678</b>		<b>47,035.7261</b>

**3.5 Building Construction - 2039**

**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	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2039**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.83 28	1.3808		30,420.35 29
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.69 96	0.1870		16,615.37 32
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.53 24</b>	<b>1.5678</b>		<b>47,035.72 61</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613				0.0904	0.0904		0.0904	0.0904			2,897.546 8	0.1079		2,900.244 8
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>				<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.546 8</b>	<b>0.1079</b>		<b>2,900.244 8</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2039**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	2.0041	85.7688			7.5150	0.0837	7.5988	2.1620	0.0800	2.2420			30,385.83 28	1.3808		30,420.35 29
Worker	5.0562	1.9950			24.8749	0.0806	24.9555	6.5983	0.0742	6.6724			16,610.69 96	0.1870		16,615.37 32
<b>Total</b>	<b>7.0604</b>	<b>87.7637</b>			<b>32.3899</b>	<b>0.1643</b>	<b>32.5542</b>	<b>8.7603</b>	<b>0.1542</b>	<b>8.9144</b>			<b>46,996.53 24</b>	<b>1.5678</b>		<b>47,035.72 61</b>

**3.5 Building Construction - 2040**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2040**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.35 23	1.3427		30,334.91 96
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.05 60	0.1448		15,892.67 52
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.40 83</b>	<b>1.4875</b>		<b>46,227.59 48</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2040**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.3523	1.3427		30,334.9196
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.0560	0.1448		15,892.6752
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.4083</b>	<b>1.4875</b>		<b>46,227.5948</b>

**3.5 Building Construction - 2041**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2041**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.35 23	1.3427		30,334.91 96
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.05 60	0.1448		15,892.67 52
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.40 83</b>	<b>1.4875</b>		<b>46,227.59 48</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2041**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.35 23	1.3427		30,334.91 96
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.05 60	0.1448		15,892.67 52
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.40 83</b>	<b>1.4875</b>		<b>46,227.59 48</b>

**3.5 Building Construction - 2042**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2042**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.3523	1.3427		30,334.9196
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.0560	0.1448		15,892.6752
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.4083</b>	<b>1.4875</b>		<b>46,227.5948</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2042**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.3523	1.3427		30,334.9196
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.0560	0.1448		15,892.6752
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.4083</b>	<b>1.4875</b>		<b>46,227.5948</b>

**3.5 Building Construction - 2043**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2043**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.35 23	1.3427		30,334.91 96
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.05 60	0.1448		15,892.67 52
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.40 83</b>	<b>1.4875</b>		<b>46,227.59 48</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2043**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.3523	1.3427		30,334.9196
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.0560	0.1448		15,892.6752
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.4083</b>	<b>1.4875</b>		<b>46,227.5948</b>

**3.5 Building Construction - 2044**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2044**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.3523	1.3427		30,334.9196
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.0560	0.1448		15,892.6752
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.4083</b>	<b>1.4875</b>		<b>46,227.5948</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2044**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.9141	83.3059			7.5144	0.0776	7.5920	2.1617	0.0742	2.2359			30,301.3523	1.3427		30,334.9196
Worker	3.7847	1.6295			24.8749	0.0618	24.9366	6.5983	0.0568	6.6551			15,889.0560	0.1448		15,892.6752
<b>Total</b>	<b>5.6987</b>	<b>84.9354</b>			<b>32.3893</b>	<b>0.1394</b>	<b>32.5287</b>	<b>8.7600</b>	<b>0.1310</b>	<b>8.8910</b>			<b>46,190.4083</b>	<b>1.4875</b>		<b>46,227.5948</b>

**3.5 Building Construction - 2045**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2045**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2045**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**3.5 Building Construction - 2046**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2046**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2046**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**3.5 Building Construction - 2047**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2047**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2047**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**3.5 Building Construction - 2048**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2048**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2048**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**3.5 Building Construction - 2049**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2049**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2049**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8804	81.9100			7.5140	0.0749	7.5889	2.1616	0.0716	2.2331			30,237.3104	1.3155		30,270.1965
Worker	3.2945	1.4977			24.8749	0.0537	24.9286	6.5983	0.0494	6.6477			15,616.3905	0.1311		15,619.6680
<b>Total</b>	<b>5.1749</b>	<b>83.4077</b>			<b>32.3889</b>	<b>0.1286</b>	<b>32.5174</b>	<b>8.7599</b>	<b>0.1209</b>	<b>8.8808</b>			<b>45,853.7009</b>	<b>1.4466</b>		<b>45,889.8645</b>

**3.5 Building Construction - 2050**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2050**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8702	80.8379			7.5137	0.0727	7.5865	2.1615	0.0695	2.2310			30,251.2310	1.2865		30,283.3925
Worker	3.1370	1.4600			24.8749	0.0509	24.9258	6.5983	0.0469	6.6452			15,517.6759	0.1274		15,520.8609
<b>Total</b>	<b>5.0072</b>	<b>82.2978</b>			<b>32.3886</b>	<b>0.1237</b>	<b>32.5123</b>	<b>8.7598</b>	<b>0.1164</b>	<b>8.8761</b>			<b>45,768.9070</b>	<b>1.4139</b>		<b>45,804.2535</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2050**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	1.8702	80.8379			7.5137	0.0727	7.5865	2.1615	0.0695	2.2310			30,251.2310	1.2865		30,283.3925
Worker	3.1370	1.4600			24.8749	0.0509	24.9258	6.5983	0.0469	6.6452			15,517.6759	0.1274		15,520.8609
<b>Total</b>	<b>5.0072</b>	<b>82.2978</b>			<b>32.3886</b>	<b>0.1237</b>	<b>32.5123</b>	<b>8.7598</b>	<b>0.1164</b>	<b>8.8761</b>			<b>45,768.9070</b>	<b>1.4139</b>		<b>45,804.2535</b>

**3.5 Building Construction - 2051**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2051**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2051**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2052**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2052**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2052**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2053**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2053**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2053**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2054**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2054**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2054**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2055**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2055**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2055**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2056**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2056**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2056**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2057**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2057**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2057**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2058**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2058**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2058**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2059**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2059**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2059**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2060**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2060**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2060**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2061**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2061**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2061**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2062**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2062**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2062**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2063**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2063**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2063**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.5 Building Construction - 2064**

**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	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2064**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903				0.0737	0.0737		0.0737	0.0737			2,897.5471	0.1041		2,900.1503
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>				<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>			<b>2,897.5471</b>	<b>0.1041</b>		<b>2,900.1503</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.5 Building Construction - 2064**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					5.3711	0.0000	5.3711	1.3184	0.0000	1.3184			0.0000			0.0000
Worker					21.6165	0.0000	21.6165	5.3059	0.0000	5.3059			0.0000			0.0000
<b>Total</b>					<b>26.9876</b>	<b>0.0000</b>	<b>26.9876</b>	<b>6.6242</b>	<b>0.0000</b>	<b>6.6242</b>			<b>0.0000</b>			<b>0.0000</b>

**3.6 Paving - 2064**

**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	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2064**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2064**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**3.6 Paving - 2065**

**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	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2065**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2065**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**3.6 Paving - 2066**

**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	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2066**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2066**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**3.6 Paving - 2067**

**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	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2067**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566				0.1164	0.1164		0.1164	0.1164			2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0112</b>	<b>3.6566</b>				<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>			<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.6 Paving - 2067**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0992	0.0000	0.0992	0.0243	0.0000	0.0243			0.0000			0.0000
<b>Total</b>					<b>0.0992</b>	<b>0.0000</b>	<b>0.0992</b>	<b>0.0243</b>	<b>0.0000</b>	<b>0.0243</b>			<b>0.0000</b>			<b>0.0000</b>

**3.7 Architectural Coating - 2067**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2067**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2067**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**3.7 Architectural Coating - 2068**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2068**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2068**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**3.7 Architectural Coating - 2069**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2069**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2069**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**3.7 Architectural Coating - 2070**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2070**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	110.1652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270				7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>110.2801</b>	<b>0.7270</b>				<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**3.7 Architectural Coating - 2070**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					4.3233	0.0000	4.3233	1.0612	0.0000	1.0612			0.0000			0.0000
<b>Total</b>					<b>4.3233</b>	<b>0.0000</b>	<b>4.3233</b>	<b>1.0612</b>	<b>0.0000</b>	<b>1.0612</b>			<b>0.0000</b>			<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	194.3331	534.8048			248.4217	6.0796	254.5013	66.5305	5.7593	72.2897			363,506.9 212	24.7410		364,125.4 453
Unmitigated	194.3331	534.8048			248.4217	6.0796	254.5013	66.5305	5.7593	72.2897			363,506.9 212	24.7410		364,125.4 453

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,062.60	1,259.94	923.45	2,748,079	2,748,079
Apartments Mid Rise	950.95	913.77	837.98	2,385,198	2,385,198
City Park	128.52	1,547.00	1138.32	877,122	877,122
Condo/Townhouse	52.29	51.03	43.56	130,520	130,520
General Heavy Industry	613.50	613.50	613.50	1,696,787	1,696,787
General Light Industry	5,318.11	1,007.16	518.84	11,109,047	11,109,047
General Office Building	25,071.19	5,591.58	2386.65	39,335,563	39,335,563
Government Office Building	2,136.83	0.00	0.00	2,194,594	2,194,594
Regional Shopping Center	1,110.20	1,299.22	656.24	1,498,402	1,498,402
Single Family Housing	13,128.08	13,665.89	11886.98	33,430,267	33,430,267
Total	49,572.27	25,949.09	19,005.52	95,405,580	95,405,580

4.3 Trip Type Information

Elk Grove GPU Operational Emissions - Sacramento County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
General Heavy Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16
Regional Shopping Center	10.00	5.00	6.50	16.30	64.70	19.00	54	35	11
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
Apartments Mid Rise	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
City Park	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
Condo/Townhouse	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
General Heavy Industry	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
General Light Industry	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
General Office Building	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
Government Office Building	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
Regional Shopping Center	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312
Single Family Housing	0.522941	0.049891	0.196257	0.142127	0.030999	0.006686	0.018431	0.019126	0.002284	0.002946	0.006372	0.000629	0.001312

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3081	29.4342				2.2856	2.2856		2.2856	2.2856			36,088.2793	0.6917	0.6616	36,302.7339
NaturalGas Unmitigated	3.3081	29.4342				2.2856	2.2856		2.2856	2.2856			36,088.2793	0.6917	0.6616	36,302.7339



Elk Grove GPU Operational Emissions - Sacramento County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	6756.9	0.0729	0.6227				0.0504	0.0504		0.0504	0.0504			794.9297	0.0152	0.0146	799.6535
Apartments Mid Rise	3819.12	0.0412	0.3520				0.0285	0.0285		0.0285	0.0285			449.3081	8.6100e-003	8.2400e-003	451.9781
City Park	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	506.743	5.4600e-003	0.0467				3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003			59.6168	1.1400e-003	1.0900e-003	59.9711
General Heavy Industry	40126.8	0.4327	3.9340				0.2990	0.2990		0.2990	0.2990			4,720.8026	0.0905	0.0866	4,748.8560
General Light Industry	74857.6	0.8073	7.3390				0.5578	0.5578		0.5578	0.5578			8,806.7784	0.1688	0.1615	8,859.1127
General Office Building	81578.9	0.8798	7.9979				0.6078	0.6078		0.6078	0.6078			9,597.5181	0.1840	0.1760	9,654.5514
Government Office Building	1112.6	0.0120	0.1091				8.2900e-003	8.2900e-003		8.2900e-003	8.2900e-003			130.8944	2.5100e-003	2.4000e-003	131.6723
Regional Shopping Center	386.082	4.1600e-003	0.0379				2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003			45.4214	8.7000e-004	8.3000e-004	45.6914
Single Family Housing	97605.6	1.0526	8.9950				0.7273	0.7273		0.7273	0.7273			11,483.0097	0.2201	0.2105	11,551.2475
<b>Total</b>		<b>3.3081</b>	<b>29.4342</b>				<b>2.2856</b>	<b>2.2856</b>		<b>2.2856</b>	<b>2.2856</b>			<b>36,088.2792</b>	<b>0.6917</b>	<b>0.6616</b>	<b>36,302.7339</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	6.7569	0.0729	0.6227				0.0504	0.0504		0.0504	0.0504			794.9297	0.0152	0.0146	799.6535
Apartments Mid Rise	3.81912	0.0412	0.3520				0.0285	0.0285		0.0285	0.0285			449.3081	8.6100e-003	8.2400e-003	451.9781
City Park	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0.506743	5.4600e-003	0.0467				3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003			59.6168	1.1400e-003	1.0900e-003	59.9711
General Heavy Industry	40.1268	0.4327	3.9340				0.2990	0.2990		0.2990	0.2990			4,720.8026	0.0905	0.0866	4,748.8560
General Light Industry	74.8576	0.8073	7.3390				0.5578	0.5578		0.5578	0.5578			8,806.7784	0.1688	0.1615	8,859.1127
General Office Building	81.5789	0.8798	7.9979				0.6078	0.6078		0.6078	0.6078			9,597.5181	0.1840	0.1760	9,654.5514
Government Office Building	1.1126	0.0120	0.1091				8.2900e-003	8.2900e-003		8.2900e-003	8.2900e-003			130.8944	2.5100e-003	2.4000e-003	131.6723
Regional Shopping Center	0.386082	4.1600e-003	0.0379				2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003			45.4214	8.7000e-004	8.3000e-004	45.6914
Single Family Housing	97.6056	1.0526	8.9950				0.7273	0.7273		0.7273	0.7273			11,483.0097	0.2201	0.2105	11,551.2475
<b>Total</b>		<b>3.3081</b>	<b>29.4342</b>				<b>2.2856</b>	<b>2.2856</b>		<b>2.2856</b>	<b>2.2856</b>			<b>36,088.2792</b>	<b>0.6917</b>	<b>0.6616</b>	<b>36,302.7339</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Elk Grove GPU Operational Emissions - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	164.9560	1.7701				0.8042	0.8042		0.8042	0.8042			265.7986	0.2779	0.0000	272.7450
Unmitigated	164.9560	1.7701				0.8042	0.8042		0.8042	0.8042			265.7986	0.2779	0.0000	272.7450

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	23.2403					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	136.8815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	4.8342	1.7701				0.8042	0.8042		0.8042	0.8042			265.7986	0.2779		272.7450
<b>Total</b>	<b>164.9560</b>	<b>1.7701</b>				<b>0.8042</b>	<b>0.8042</b>		<b>0.8042</b>	<b>0.8042</b>			<b>265.7986</b>	<b>0.2779</b>	<b>0.0000</b>	<b>272.7450</b>

Elk Grove GPU Operational Emissions - Sacramento County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	23.2403					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	136.8815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	4.8342	1.7701				0.8042	0.8042		0.8042	0.8042			265.7986	0.2779		272.7450
<b>Total</b>	<b>164.9560</b>	<b>1.7701</b>				<b>0.8042</b>	<b>0.8042</b>		<b>0.8042</b>	<b>0.8042</b>			<b>265.7986</b>	<b>0.2779</b>	<b>0.0000</b>	<b>272.7450</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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Elk Grove GPU Operational Emissions - Sacramento County, Summer

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**Elk Grove GPU Operational Emissions 2035**  
**Sacramento County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2,267.00	1000sqft	52.04	2,267,000.00	0
General Light Industry	785.00	1000sqft	18.02	785,000.00	0
General Heavy Industry	409.00	1000sqft	9.39	409,000.00	0
City Park	72.00	Acre	72.00	3,136,320.00	0
Single Family Housing	2,150.00	Dwelling Unit	698.05	3,870,000.00	5741
Apartments High Rise	272.00	Dwelling Unit	4.39	272,000.00	726
Apartments Mid Rise	131.00	Dwelling Unit	3.45	131,000.00	350
Condo/Townhouse	5.00	Dwelling Unit	0.31	5,000.00	13
Regional Shopping Center	27.00	1000sqft	0.62	27,000.00	0
Government Office Building	31.00	1000sqft	0.71	31,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2035
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	590.31	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

## Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

Project Characteristics - Elk Grove GPU Project operational emissions for 2035

Land Use - Base upon projected land uses under the GPU in 2035 scaled down

Construction Phase - this model runs for operational emissions only

Vehicle Trips - mobile source emissions were modeling using EMFAC 2014

Energy Use - Assumes future buildings will comply with Title 24 standard

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	990.00	207.00
tblConstructionPhase	NumDays	13,950.00	123.00
tblConstructionPhase	NumDays	900.00	10.00
tblConstructionPhase	NumDays	1,395.00	350.00
tblConstructionPhase	NumDays	990.00	206.00
tblConstructionPhase	PhaseEndDate	11/1/2086	11/1/2020
tblConstructionPhase	PhaseEndDate	3/31/2079	3/31/2018
tblConstructionPhase	PhaseEndDate	5/11/2018	12/12/2014
tblConstructionPhase	PhaseEndDate	10/10/2025	10/8/2017
tblConstructionPhase	PhaseEndDate	1/15/2083	1/14/2019
tblConstructionPhase	PhaseEndDate	6/5/2020	6/3/2016
tblConstructionPhase	PhaseStartDate	1/16/2083	1/16/2020
tblConstructionPhase	PhaseStartDate	10/11/2025	10/11/2017
tblConstructionPhase	PhaseStartDate	6/6/2020	6/6/2016
tblConstructionPhase	PhaseStartDate	4/1/2079	4/1/2018
tblConstructionPhase	PhaseStartDate	5/12/2018	5/12/2014
tblGrading	AcresOfGrading	875.00	3,487.50

## 2.0 Emissions Summary

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Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**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					
2014	10.0422	103.9273			18.3173	5.6887	24.0060	9.9973	5.2680	15.2653			8,395.9308	2.3011	0.0000	8,453.4592
2015	5.3796	55.5428			18.2032	3.1348	21.3380	9.9670	2.8841	12.8511			4,164.8636	1.2021	0.0000	4,194.9156
2016	6.1997	72.5952			18.2032	3.3073	21.2731	9.9670	3.0427	12.7914			6,624.4676	1.9519	0.0000	6,673.2656
2017	32.6851	221.5218			35.8249	3.6803	39.5052	9.6880	3.4825	13.1705			70,796.8835	4.2354	0.0000	70,902.7686
2018	28.7127	206.6243			35.8239	3.0831	38.9070	9.6876	2.9176	12.6052			69,809.5221	3.9587	0.0000	69,908.4901
2019	1.5247	15.2827			0.1141	0.8254	0.9395	0.0303	0.7594	0.7896			2,379.7987	0.7180	0.0000	2,397.7476
2020	419.5958	3.3451			5.5227	0.1493	5.6720	1.4649	0.1463	1.6113			6,042.3521	0.1868	0.0000	6,047.0230
<b>Maximum</b>	<b>419.5958</b>	<b>221.5218</b>			<b>35.8249</b>	<b>5.6887</b>	<b>39.5052</b>	<b>9.9973</b>	<b>5.2680</b>	<b>15.2653</b>			<b>70,796.8835</b>	<b>4.2354</b>	<b>0.0000</b>	<b>70,902.7686</b>





Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**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	196.9435	2.4295				1.1716	1.1716		1.1716	1.1716			380.7827	0.3638	0.0000	389.8767
Energy	3.9173	34.6518				2.7065	2.7065		2.7065	2.7065			42,734.2801	0.8191	0.7835	42,988.2286
Mobile	59.8124	235.8321			289.8313	1.2382	291.0694	77.3805	1.1504	78.5308			263,870.8602	9.1933		264,100.6916
<b>Total</b>	<b>260.6732</b>	<b>272.9133</b>			<b>289.8313</b>	<b>5.1163</b>	<b>294.9475</b>	<b>77.3805</b>	<b>5.0285</b>	<b>82.4090</b>			<b>306,985.9229</b>	<b>10.3761</b>	<b>0.7835</b>	<b>307,478.7968</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	196.9435	2.4295				1.1716	1.1716		1.1716	1.1716			380.7827	0.3638	0.0000	389.8767
Energy	3.9173	34.6518				2.7065	2.7065		2.7065	2.7065			42,734.2801	0.8191	0.7835	42,988.2286
Mobile	59.8124	235.8321			289.8313	1.2382	291.0694	77.3805	1.1504	78.5308			263,870.8602	9.1933		264,100.6916
<b>Total</b>	<b>260.6732</b>	<b>272.9133</b>			<b>289.8313</b>	<b>5.1163</b>	<b>294.9475</b>	<b>77.3805</b>	<b>5.0285</b>	<b>82.4090</b>			<b>306,985.9229</b>	<b>10.3761</b>	<b>0.7835</b>	<b>307,478.7968</b>

## Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2014	12/12/2014	5	10	
2	Site Preparation	Site Preparation	5/12/2014	6/3/2016	5	540	
3	Grading	Grading	6/6/2016	10/8/2017	5	350	
4	Building Construction	Building Construction	10/11/2017	3/31/2018	5	123	
5	Paving	Paving	4/1/2018	1/14/2019	5	206	
6	Architectural Coating	Architectural Coating	1/16/2020	11/1/2020	5	207	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3487.5

Acres of Paving: 0

Residential Indoor: 8,662,950; Residential Outdoor: 2,887,650; Non-Residential Indoor: 5,278,500; Non-Residential Outdoor: 1,759,500; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,630.00	1,364.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	726.00	0.00	0.00	10.00	6.50	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	lb/day										lb/day					
Off-Road	4.5339	47.9591				2.5246	2.5246		2.3570	2.3570			4,047.0313	1.0907		4,074.2982
<b>Total</b>	<b>4.5339</b>	<b>47.9591</b>				<b>2.5246</b>	<b>2.5246</b>		<b>2.3570</b>	<b>2.3570</b>			<b>4,047.0313</b>	<b>1.0907</b>		<b>4,074.2982</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.2 Demolition - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1198	0.0738			0.1141	1.0800e-003	0.1152	0.0303	1.0000e-003	0.0313			139.1963	7.1800e-003		139.3759
<b>Total</b>	<b>0.1198</b>	<b>0.0738</b>			<b>0.1141</b>	<b>1.0800e-003</b>	<b>0.1152</b>	<b>0.0303</b>	<b>1.0000e-003</b>	<b>0.0313</b>			<b>139.1963</b>	<b>7.1800e-003</b>		<b>139.3759</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5339	47.9591				2.5246	2.5246		2.3570	2.3570			4,047.0313	1.0907		4,074.2982
<b>Total</b>	<b>4.5339</b>	<b>47.9591</b>				<b>2.5246</b>	<b>2.5246</b>		<b>2.3570</b>	<b>2.3570</b>			<b>4,047.0313</b>	<b>1.0907</b>		<b>4,074.2982</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.2 Demolition - 2014**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1198	0.0738			0.1141	1.0800e-003	0.1152	0.0303	1.0000e-003	0.0313			139.1963	7.1800e-003		139.3759
<b>Total</b>	<b>0.1198</b>	<b>0.0738</b>			<b>0.1141</b>	<b>1.0800e-003</b>	<b>0.1152</b>	<b>0.0303</b>	<b>1.0000e-003</b>	<b>0.0313</b>			<b>139.1963</b>	<b>7.1800e-003</b>		<b>139.3759</b>

**3.3 Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2447	55.8058				3.1617	3.1617		2.9088	2.9088			4,042.6677	1.1947		4,072.5340
<b>Total</b>	<b>5.2447</b>	<b>55.8058</b>			<b>18.0663</b>	<b>3.1617</b>	<b>21.2280</b>	<b>9.9307</b>	<b>2.9088</b>	<b>12.8395</b>			<b>4,042.6677</b>	<b>1.1947</b>		<b>4,072.5340</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.3 Site Preparation - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1438	0.0886			0.1369	1.2900e-003	0.1382	0.0363	1.2000e-003	0.0375			167.0355	8.6200e-003		167.2511
<b>Total</b>	<b>0.1438</b>	<b>0.0886</b>			<b>0.1369</b>	<b>1.2900e-003</b>	<b>0.1382</b>	<b>0.0363</b>	<b>1.2000e-003</b>	<b>0.0375</b>			<b>167.0355</b>	<b>8.6200e-003</b>		<b>167.2511</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2447	55.8058				3.1617	3.1617		2.9088	2.9088			4,042.6677	1.1947		4,072.5340
<b>Total</b>	<b>5.2447</b>	<b>55.8058</b>			<b>18.0663</b>	<b>3.1617</b>	<b>21.2280</b>	<b>9.9307</b>	<b>2.9088</b>	<b>12.8395</b>			<b>4,042.6677</b>	<b>1.1947</b>		<b>4,072.5340</b>



Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.3 Site Preparation - 2014**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1438	0.0886			0.1369	1.2900e-003	0.1382	0.0363	1.2000e-003	0.0375			167.0355	8.6200e-003		167.2511
<b>Total</b>	<b>0.1438</b>	<b>0.0886</b>			<b>0.1369</b>	<b>1.2900e-003</b>	<b>0.1382</b>	<b>0.0363</b>	<b>1.2000e-003</b>	<b>0.0375</b>			<b>167.0355</b>	<b>8.6200e-003</b>		<b>167.2511</b>

**3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2493	55.4642				3.1336	3.1336		2.8830	2.8830			4,000.7845	1.1944		4,030.6445
<b>Total</b>	<b>5.2493</b>	<b>55.4642</b>			<b>18.0663</b>	<b>3.1336</b>	<b>21.1999</b>	<b>9.9307</b>	<b>2.8830</b>	<b>12.8136</b>			<b>4,000.7845</b>	<b>1.1944</b>		<b>4,030.6445</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.3 Site Preparation - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1303	0.0786			0.1369	1.1900e-003	0.1381	0.0363	1.1000e-003	0.0374			164.0791	7.6800e-003		164.2710
<b>Total</b>	<b>0.1303</b>	<b>0.0786</b>			<b>0.1369</b>	<b>1.1900e-003</b>	<b>0.1381</b>	<b>0.0363</b>	<b>1.1000e-003</b>	<b>0.0374</b>			<b>164.0791</b>	<b>7.6800e-003</b>		<b>164.2710</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2493	55.4642				3.1336	3.1336		2.8830	2.8830			4,000.7845	1.1944		4,030.6445
<b>Total</b>	<b>5.2493</b>	<b>55.4642</b>			<b>18.0663</b>	<b>3.1336</b>	<b>21.1999</b>	<b>9.9307</b>	<b>2.8830</b>	<b>12.8136</b>			<b>4,000.7845</b>	<b>1.1944</b>		<b>4,030.6445</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.3 Site Preparation - 2015**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1303	0.0786			0.1369	1.1900e-003	0.1381	0.0363	1.1000e-003	0.0374			164.0791	7.6800e-003		164.2710
<b>Total</b>	<b>0.1303</b>	<b>0.0786</b>			<b>0.1369</b>	<b>1.1900e-003</b>	<b>0.1381</b>	<b>0.0363</b>	<b>1.1000e-003</b>	<b>0.0374</b>			<b>164.0791</b>	<b>7.6800e-003</b>		<b>164.2710</b>

**3.3 Site Preparation - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2082	54.8153				3.0688	3.0688		2.8233	2.8233			3,957.9704	1.1939		3,987.8170
<b>Total</b>	<b>5.2082</b>	<b>54.8153</b>			<b>18.0663</b>	<b>3.0688</b>	<b>21.1351</b>	<b>9.9307</b>	<b>2.8233</b>	<b>12.7540</b>			<b>3,957.9704</b>	<b>1.1939</b>		<b>3,987.8170</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.3 Site Preparation - 2016**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1169	0.0692			0.1369	1.1100e-003	0.1380	0.0363	1.0300e-003	0.0374			160.5238	6.7900e-003		160.6935
<b>Total</b>	<b>0.1169</b>	<b>0.0692</b>			<b>0.1369</b>	<b>1.1100e-003</b>	<b>0.1380</b>	<b>0.0363</b>	<b>1.0300e-003</b>	<b>0.0374</b>			<b>160.5238</b>	<b>6.7900e-003</b>		<b>160.6935</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2082	54.8153				3.0688	3.0688		2.8233	2.8233			3,957.9704	1.1939		3,987.8170
<b>Total</b>	<b>5.2082</b>	<b>54.8153</b>			<b>18.0663</b>	<b>3.0688</b>	<b>21.1351</b>	<b>9.9307</b>	<b>2.8233</b>	<b>12.7540</b>			<b>3,957.9704</b>	<b>1.1939</b>		<b>3,987.8170</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.3 Site Preparation - 2016**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1169	0.0692			0.1369	1.1100e-003	0.1380	0.0363	1.0300e-003	0.0374			160.5238	6.7900e-003		160.6935
<b>Total</b>	<b>0.1169</b>	<b>0.0692</b>			<b>0.1369</b>	<b>1.1100e-003</b>	<b>0.1380</b>	<b>0.0363</b>	<b>1.0300e-003</b>	<b>0.0374</b>			<b>160.5238</b>	<b>6.7900e-003</b>		<b>160.6935</b>

**3.4 Grading - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.5892	0.0000	16.5892	4.4512	0.0000	4.4512			0.0000			0.0000
Off-Road	6.0698	72.5183				3.3061	3.3061		3.0416	3.0416			6,446.1078	1.9444		6,494.7172
<b>Total</b>	<b>6.0698</b>	<b>72.5183</b>			<b>16.5892</b>	<b>3.3061</b>	<b>19.8953</b>	<b>4.4512</b>	<b>3.0416</b>	<b>7.4928</b>			<b>6,446.1078</b>	<b>1.9444</b>		<b>6,494.7172</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.4 Grading - 2016**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1299	0.0768			0.1521	1.2400e-003	0.1534	0.0404	1.1400e-003	0.0415			178.3597	7.5500e-003		178.5484
<b>Total</b>	<b>0.1299</b>	<b>0.0768</b>			<b>0.1521</b>	<b>1.2400e-003</b>	<b>0.1534</b>	<b>0.0404</b>	<b>1.1400e-003</b>	<b>0.0415</b>			<b>178.3597</b>	<b>7.5500e-003</b>		<b>178.5484</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.5892	0.0000	16.5892	4.4512	0.0000	4.4512			0.0000			0.0000
Off-Road	6.0698	72.5183				3.3061	3.3061		3.0416	3.0416			6,446.1078	1.9444		6,494.7172
<b>Total</b>	<b>6.0698</b>	<b>72.5183</b>			<b>16.5892</b>	<b>3.3061</b>	<b>19.8953</b>	<b>4.4512</b>	<b>3.0416</b>	<b>7.4928</b>			<b>6,446.1078</b>	<b>1.9444</b>		<b>6,494.7172</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.4 Grading - 2016**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1299	0.0768			0.1521	1.2400e-003	0.1534	0.0404	1.1400e-003	0.0415			178.3597	7.5500e-003		178.5484
<b>Total</b>	<b>0.1299</b>	<b>0.0768</b>			<b>0.1521</b>	<b>1.2400e-003</b>	<b>0.1534</b>	<b>0.0404</b>	<b>1.1400e-003</b>	<b>0.0415</b>			<b>178.3597</b>	<b>7.5500e-003</b>		<b>178.5484</b>

**3.4 Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.5892	0.0000	16.5892	4.4512	0.0000	4.4512			0.0000			0.0000
Off-Road	5.7483	67.9396				3.0727	3.0727		2.8269	2.8269			6,344.8863	1.9441		6,393.4879
<b>Total</b>	<b>5.7483</b>	<b>67.9396</b>			<b>16.5892</b>	<b>3.0727</b>	<b>19.6619</b>	<b>4.4512</b>	<b>2.8269</b>	<b>7.2781</b>			<b>6,344.8863</b>	<b>1.9441</b>		<b>6,393.4879</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.4 Grading - 2017**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	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
Worker	0.1154	0.0670			0.1521	1.1700e-003	0.1533	0.0404	1.0800e-003	0.0414			174.1051	6.6300e-003		174.2709
<b>Total</b>	<b>0.1154</b>	<b>0.0670</b>			<b>0.1521</b>	<b>1.1700e-003</b>	<b>0.1533</b>	<b>0.0404</b>	<b>1.0800e-003</b>	<b>0.0414</b>			<b>174.1051</b>	<b>6.6300e-003</b>		<b>174.2709</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.5892	0.0000	16.5892	4.4512	0.0000	4.4512			0.0000			0.0000
Off-Road	5.7483	67.9396				3.0727	3.0727		2.8269	2.8269			6,344.8863	1.9441		6,393.4878
<b>Total</b>	<b>5.7483</b>	<b>67.9396</b>			<b>16.5892</b>	<b>3.0727</b>	<b>19.6619</b>	<b>4.4512</b>	<b>2.8269</b>	<b>7.2781</b>			<b>6,344.8863</b>	<b>1.9441</b>		<b>6,393.4878</b>



Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.4 Grading - 2017**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	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
Worker	0.1154	0.0670			0.1521	1.1700e-003	0.1533	0.0404	1.0800e-003	0.0414			174.1051	6.6300e-003		174.2709
<b>Total</b>	<b>0.1154</b>	<b>0.0670</b>			<b>0.1521</b>	<b>1.1700e-003</b>	<b>0.1533</b>	<b>0.0404</b>	<b>1.0800e-003</b>	<b>0.0414</b>			<b>174.1051</b>	<b>6.6300e-003</b>		<b>174.2709</b>

**3.5 Building Construction - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546				1.7879	1.7879		1.6791	1.6791			2,650.9797	0.6531		2,667.3078
<b>Total</b>	<b>3.1149</b>	<b>26.5546</b>				<b>1.7879</b>	<b>1.7879</b>		<b>1.6791</b>	<b>1.6791</b>			<b>2,650.9797</b>	<b>0.6531</b>		<b>2,667.3078</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.5 Building Construction - 2017**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	8.6282	182.8009			8.2115	1.6807	9.8922	2.3633	1.6078	3.9711			36,545.8235	2.3790		36,605.2993
Worker	20.9420	12.1663			27.6134	0.2117	27.8251	7.3247	0.1956	7.5203			31,600.0803	1.2033		31,630.1615
<b>Total</b>	<b>29.5702</b>	<b>194.9672</b>			<b>35.8249</b>	<b>1.8925</b>	<b>37.7173</b>	<b>9.6880</b>	<b>1.8034</b>	<b>11.4914</b>			<b>68,145.9037</b>	<b>3.5823</b>		<b>68,235.4608</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546				1.7879	1.7879		1.6791	1.6791			2,650.9797	0.6531		2,667.3078
<b>Total</b>	<b>3.1149</b>	<b>26.5546</b>				<b>1.7879</b>	<b>1.7879</b>		<b>1.6791</b>	<b>1.6791</b>			<b>2,650.9797</b>	<b>0.6531</b>		<b>2,667.3078</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.5 Building Construction - 2017**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	8.6282	182.8009			8.2115	1.6807	9.8922	2.3633	1.6078	3.9711			36,545.8235	2.3790		36,605.2993
Worker	20.9420	12.1663			27.6134	0.2117	27.8251	7.3247	0.1956	7.5203			31,600.0803	1.2033		31,630.1615
<b>Total</b>	<b>29.5702</b>	<b>194.9672</b>			<b>35.8249</b>	<b>1.8925</b>	<b>37.7173</b>	<b>9.6880</b>	<b>1.8034</b>	<b>11.4914</b>			<b>68,145.9037</b>	<b>3.5823</b>		<b>68,235.4608</b>

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900				1.4999	1.4999		1.4099	1.4099			2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>				<b>1.4999</b>	<b>1.4999</b>		<b>1.4099</b>	<b>1.4099</b>			<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.5 Building Construction - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	7.3259	172.6226			8.2105	1.3803	9.5909	2.3629	1.3205	3.6834			36,429.4700	2.2586		36,485.9359
Worker	18.7073	10.6117			27.6134	0.2029	27.8163	7.3247	0.1872	7.5119			30,759.1171	1.0580		30,785.5660
<b>Total</b>	<b>26.0332</b>	<b>183.2343</b>			<b>35.8239</b>	<b>1.5832</b>	<b>37.4071</b>	<b>9.6876</b>	<b>1.5076</b>	<b>11.1953</b>			<b>67,188.5870</b>	<b>3.3166</b>		<b>67,271.5018</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900				1.4999	1.4999		1.4099	1.4099			2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>				<b>1.4999</b>	<b>1.4999</b>		<b>1.4099</b>	<b>1.4099</b>			<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.5 Building Construction - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	7.3259	172.6226			8.2105	1.3803	9.5909	2.3629	1.3205	3.6834			36,429.4700	2.2586		36,485.9359
Worker	18.7073	10.6117			27.6134	0.2029	27.8163	7.3247	0.1872	7.5119			30,759.1171	1.0580		30,785.5660
<b>Total</b>	<b>26.0332</b>	<b>183.2343</b>			<b>35.8239</b>	<b>1.5832</b>	<b>37.4071</b>	<b>9.6876</b>	<b>1.5076</b>	<b>11.1953</b>			<b>67,188.5870</b>	<b>3.3166</b>		<b>67,271.5018</b>

**3.6 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209				0.9561	0.9561		0.8797	0.8797			2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6437</b>	<b>17.5209</b>				<b>0.9561</b>	<b>0.9561</b>		<b>0.8797</b>	<b>0.8797</b>			<b>2,294.0887</b>	<b>0.7142</b>		<b>2,311.9432</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.6 Paving - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0773	0.0439			0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310			127.1038	4.3700e-003		127.2131
<b>Total</b>	<b>0.0773</b>	<b>0.0439</b>			<b>0.1141</b>	<b>8.4000e-004</b>	<b>0.1149</b>	<b>0.0303</b>	<b>7.7000e-004</b>	<b>0.0310</b>			<b>127.1038</b>	<b>4.3700e-003</b>		<b>127.2131</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209				0.9561	0.9561		0.8797	0.8797			2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6437</b>	<b>17.5209</b>				<b>0.9561</b>	<b>0.9561</b>		<b>0.8797</b>	<b>0.8797</b>			<b>2,294.0887</b>	<b>0.7142</b>		<b>2,311.9432</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.6 Paving - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0773	0.0439			0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310			127.1038	4.3700e-003		127.2131
<b>Total</b>	<b>0.0773</b>	<b>0.0439</b>			<b>0.1141</b>	<b>8.4000e-004</b>	<b>0.1149</b>	<b>0.0303</b>	<b>7.7000e-004</b>	<b>0.0310</b>			<b>127.1038</b>	<b>4.3700e-003</b>		<b>127.2131</b>

**3.6 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441				0.8246	0.8246		0.7586	0.7586			2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>				<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>			<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.6 Paving - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0703	0.0386			0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310			122.7963	3.8600e-003		122.8929
<b>Total</b>	<b>0.0703</b>	<b>0.0386</b>			<b>0.1141</b>	<b>8.1000e-004</b>	<b>0.1149</b>	<b>0.0303</b>	<b>7.5000e-004</b>	<b>0.0310</b>			<b>122.7963</b>	<b>3.8600e-003</b>		<b>122.8929</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441				0.8246	0.8246		0.7586	0.7586			2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>				<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>			<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>



Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.6 Paving - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0703	0.0386			0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310			122.7963	3.8600e-003		122.8929
<b>Total</b>	<b>0.0703</b>	<b>0.0386</b>			<b>0.1141</b>	<b>8.1000e-004</b>	<b>0.1149</b>	<b>0.0303</b>	<b>7.5000e-004</b>	<b>0.0310</b>			<b>122.7963</b>	<b>3.8600e-003</b>		<b>122.8929</b>

**3.7 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	416.2230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838				0.1109	0.1109		0.1109	0.1109			281.4481	0.0218		281.9928
<b>Total</b>	<b>416.4652</b>	<b>1.6838</b>				<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>			<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.7 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	3.1306	1.6613			5.5227	0.0384	5.5611	1.4649	0.0354	1.5003			5,760.904 1	0.1651		5,765.030 2
<b>Total</b>	<b>3.1306</b>	<b>1.6613</b>			<b>5.5227</b>	<b>0.0384</b>	<b>5.5611</b>	<b>1.4649</b>	<b>0.0354</b>	<b>1.5003</b>			<b>5,760.904 1</b>	<b>0.1651</b>		<b>5,765.030 2</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	416.2230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838				0.1109	0.1109		0.1109	0.1109			281.4481	0.0218		281.9928
<b>Total</b>	<b>416.4652</b>	<b>1.6838</b>				<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>			<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**3.7 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	3.1306	1.6613			5.5227	0.0384	5.5611	1.4649	0.0354	1.5003			5,760.904 1	0.1651		5,765.030 2
<b>Total</b>	<b>3.1306</b>	<b>1.6613</b>			<b>5.5227</b>	<b>0.0384</b>	<b>5.5611</b>	<b>1.4649</b>	<b>0.0354</b>	<b>1.5003</b>			<b>5,760.904 1</b>	<b>0.1651</b>		<b>5,765.030 2</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	59.8124	235.8321			289.8313	1.2382	291.0694	77.3805	1.1504	78.5308			263,870.8602	9.1933		264,100.6916
Unmitigated	59.8124	235.8321			289.8313	1.2382	291.0694	77.3805	1.1504	78.5308			263,870.8602	9.1933		264,100.6916

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,142.40	1,354.56	992.80	2,954,457	2,954,457
Apartments Mid Rise	871.15	837.09	767.66	2,185,042	2,185,042
City Park	136.08	1,638.00	1205.28	928,717	928,717
Condo/Townhouse	29.05	28.35	24.20	72,511	72,511
General Heavy Industry	613.50	613.50	613.50	1,696,787	1,696,787
General Light Industry	5,471.45	1,036.20	533.80	11,429,360	11,429,360
General Office Building	25,005.01	5,576.82	2380.35	39,231,730	39,231,730
Government Office Building	2,136.83	0.00	0.00	2,194,594	2,194,594
Regional Shopping Center	1,152.90	1,349.19	681.48	1,556,033	1,556,033
Single Family Housing	20,468.00	21,306.50	18533.00	52,121,156	52,121,156
<b>Total</b>	<b>57,026.37</b>	<b>33,740.21</b>	<b>25,732.07</b>	<b>114,370,387</b>	<b>114,370,387</b>

4.3 Trip Type Information

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
General Heavy Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16
Regional Shopping Center	10.00	5.00	6.50	16.30	64.70	19.00	54	35	11
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Apartments Mid Rise	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
City Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Condo/Townhouse	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
General Heavy Industry	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
General Light Industry	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
General Office Building	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Government Office Building	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Regional Shopping Center	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Single Family Housing	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.9173	34.6518				2.7065	2.7065		2.7065	2.7065			42,734.2801	0.8191	0.7835	42,988.2286
NaturalGas Unmitigated	3.9173	34.6518				2.7065	2.7065		2.7065	2.7065			42,734.2801	0.8191	0.7835	42,988.2286

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	7264.34	0.0783	0.6695				0.0541	0.0541		0.0541	0.0541			854.6280	0.0164	0.0157	859.7066
Apartments Mid Rise	3498.63	0.0377	0.3224				0.0261	0.0261		0.0261	0.0261			411.6039	7.8900e-003	7.5500e-003	414.0499
City Park	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	281.524	3.0400e-003	0.0259				2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003			33.1205	6.3000e-004	6.1000e-004	33.3173
General Heavy Industry	40126.8	0.4327	3.9340				0.2990	0.2990		0.2990	0.2990			4,720.8026	0.0905	0.0866	4,748.8560
General Light Industry	77016	0.8306	7.5506				0.5738	0.5738		0.5738	0.5738			9,060.7091	0.1737	0.1661	9,114.5524
General Office Building	81363.6	0.8775	7.9768				0.6062	0.6062		0.6062	0.6062			9,572.1837	0.1835	0.1755	9,629.0664
Government Office Building	1112.6	0.0120	0.1091				8.2900e-003	8.2900e-003		8.2900e-003	8.2900e-003			130.8944	2.5100e-003	2.4000e-003	131.6723
Regional Shopping Center	400.932	4.3200e-003	0.0393				2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003			47.1684	9.0000e-004	8.6000e-004	47.4487
Single Family Housing	152177	1.6411	14.0242				1.1339	1.1339		1.1339	1.1339			17,903.1695	0.3431	0.3282	18,009.5591
<b>Total</b>		<b>3.9173</b>	<b>34.6518</b>				<b>2.7065</b>	<b>2.7065</b>		<b>2.7065</b>	<b>2.7065</b>			<b>42,734.2801</b>	<b>0.8191</b>	<b>0.7835</b>	<b>42,988.2286</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	7.26434	0.0783	0.6695				0.0541	0.0541		0.0541	0.0541			854.6280	0.0164	0.0157	859.7066
Apartments Mid Rise	3.49863	0.0377	0.3224				0.0261	0.0261		0.0261	0.0261			411.6039	7.8900e-003	7.5500e-003	414.0499
City Park	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0.281524	3.0400e-003	0.0259				2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003			33.1205	6.3000e-004	6.1000e-004	33.3173
General Heavy Industry	40.1268	0.4327	3.9340				0.2990	0.2990		0.2990	0.2990			4,720.8026	0.0905	0.0866	4,748.8560
General Light Industry	77.016	0.8306	7.5506				0.5738	0.5738		0.5738	0.5738			9,060.7091	0.1737	0.1661	9,114.5524
General Office Building	81.3636	0.8775	7.9768				0.6062	0.6062		0.6062	0.6062			9,572.1837	0.1835	0.1755	9,629.0664
Government Office Building	1.1126	0.0120	0.1091				8.2900e-003	8.2900e-003		8.2900e-003	8.2900e-003			130.8944	2.5100e-003	2.4000e-003	131.6723
Regional Shopping Center	0.400932	4.3200e-003	0.0393				2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003			47.1684	9.0000e-004	8.6000e-004	47.4487
Single Family Housing	152.177	1.6411	14.0242				1.1339	1.1339		1.1339	1.1339			17,903.1695	0.3431	0.3282	18,009.5591
<b>Total</b>		<b>3.9173</b>	<b>34.6518</b>				<b>2.7065</b>	<b>2.7065</b>		<b>2.7065</b>	<b>2.7065</b>			<b>42,734.2801</b>	<b>0.8191</b>	<b>0.7835</b>	<b>42,988.2286</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	196.9435	2.4295				1.1716	1.1716		1.1716	1.1716			380.7827	0.3638	0.0000	389.8767
Unmitigated	196.9435	2.4295				1.1716	1.1716		1.1716	1.1716			380.7827	0.3638	0.0000	389.8767

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	23.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	167.0174					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	6.3211	2.4295				1.1716	1.1716		1.1716	1.1716			380.7827	0.3638		389.8767
<b>Total</b>	<b>196.9435</b>	<b>2.4295</b>				<b>1.1716</b>	<b>1.1716</b>		<b>1.1716</b>	<b>1.1716</b>			<b>380.7827</b>	<b>0.3638</b>	<b>0.0000</b>	<b>389.8767</b>

Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	23.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	167.0174					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	6.3211	2.4295				1.1716	1.1716		1.1716	1.1716			380.7827	0.3638		389.8767
<b>Total</b>	<b>196.9435</b>	<b>2.4295</b>				<b>1.1716</b>	<b>1.1716</b>		<b>1.1716</b>	<b>1.1716</b>			<b>380.7827</b>	<b>0.3638</b>	<b>0.0000</b>	<b>389.8767</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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Elk Grove GPU Operational Emissions 2035 - Sacramento County, Summer

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Year	pollutant	vehicle_cla	fuel	CH4						
				5	10	15	20	25	30	35
2015	CH4	HHDT	Dsl	0.005002392	0.00294525	0.000897	0.0001969	0.0002795	0.0001575	0.0001553
2015	CH4	HHDT	Gas	0.004918343	0.0031874	0.0021776	0.0015654	0.0011878	0.000949	0.0007984
2015	CH4	LDA	Dsl	3.25672E-05	2.344E-05	1.444E-05	9.005E-06	6.772E-06	5.554E-06	4.777E-06
2015	CH4	LDA	Elec	0	0	0	0	0	0	0
2015	CH4	LDA	Gas	0.000143118	9.1785E-05	6.175E-05	4.383E-05	3.283E-05	2.591E-05	2.151E-05
2015	CH4	LDT1	Dsl	7.07351E-05	4.9483E-05	3.522E-05	2.622E-05	2.079E-05	1.732E-05	1.511E-05
2015	CH4	LDT1	Elec	0	0	0	0	0	0	0
2015	CH4	LDT1	Gas	0.000326827	0.00021615	0.0001498	0.000109	8.337E-05	6.692E-05	5.62E-05
2015	CH4	LDT2	Dsl	2.93713E-05	2.1654E-05	1.164E-05	5.728E-06	3.924E-06	3.12E-06	2.609E-06
2015	CH4	LDT2	Gas	0.000178552	0.00011503	7.77E-05	5.534E-05	4.156E-05	3.286E-05	2.73E-05
2015	CH4	LHDT1	Dsl	8.11903E-05	5.74E-05	3.88E-05	2.729E-05	2.13E-05	1.766E-05	1.534E-05
2015	CH4	LHDT1	Gas	0.000370922	0.00024267	0.0001677	0.0001214	9.213E-05	7.414E-05	6.203E-05
2015	CH4	LHDT2	Dsl	7.86687E-05	5.6228E-05	3.594E-05	2.359E-05	1.804E-05	1.487E-05	1.285E-05
2015	CH4	LHDT2	Gas	0.000309778	0.00020448	0.0001424	0.000104	7.944E-05	6.433E-05	5.413E-05
2015	CH4	MCY	Gas	0.004592392	0.00301793	0.0020974	0.0015314	0.0011761	0.0009512	0.0008069
2015	CH4	MDV	Dsl	2.26519E-05	1.6703E-05	8.965E-06	4.403E-06	3.013E-06	2.394E-06	2.001E-06
2015	CH4	MDV	Gas	0.000305973	0.00019688	0.0001328	9.45E-05	7.09E-05	5.601E-05	4.649E-05
2015	CH4	MH	Dsl	0.000128737	9.7678E-05	5.038E-05	2.284E-05	1.619E-05	1.318E-05	1.087E-05
2015	CH4	MH	Gas	0.00087468	0.00058188	0.0004092	0.0003016	0.0002338	0.00019	0.0001623
2015	CH4	MHDT	Dsl	0.000288445	0.00021961	0.0001165	5.716E-05	4.174E-05	3.377E-05	2.757E-05
2015	CH4	MHDT	Gas	0.00110554	0.0007114	0.000485	0.0003473	0.0002622	0.0002081	0.000174
2015	CH4	OBUS	Dsl	0.000196352	0.00015211	8.667E-05	4.916E-05	3.54E-05	2.753E-05	2.148E-05
2015	CH4	OBUS	Gas	0.000650246	0.00041085	0.0002751	0.0001936	0.0001437	0.0001123	9.257E-05
2015	CH4	SBUS	Dsl	0.000131314	0.00010191	5.674E-05	2.859E-05	2.04E-05	1.645E-05	1.342E-05
2015	CH4	SBUS	Gas	0.002686893	0.00169459	0.0011249	0.0007879	0.0005818	0.0004533	0.0003718
2015	CH4	UBUS	Dsl	0.04726762	0.03562246	0.0179968	0.0079241	0.0055082	0.0043428	0.0034715
2015	CH4	UBUS	Gas	0.001157053	0.00074464	0.0005057	0.0003617	0.0002757	0.0002185	0.0001824
2015	CO	HHDT	Dsl	0.013634788	0.01051727	0.0067537	0.005031	0.0036219	0.0028172	0.0022625
2015	CO	HHDT	Gas	0.481076136	0.36032553	0.2859596	0.238368	0.2042967	0.1818166	0.1674313
2015	CO	LDA	Dsl	0.007170505	0.00529864	0.0029199	0.0015174	0.0010838	0.0008927	0.0007781
2015	CO	LDA	Elec	0	0	0	0	0	0	0
2015	CO	LDA	Gas	0.005830808	0.00505389	0.0044331	0.0039464	0.0035642	0.0032586	0.0030004
2015	CO	LDT1	Dsl	0.008460459	0.00604588	0.0043354	0.0032749	0.0026853	0.0023362	0.0021415
2015	CO	LDT1	Elec	0	0	0	0	0	0	0
2015	CO	LDT1	Gas	0.016540257	0.0135494	0.0114073	0.0098448	0.0087013	0.0078583	0.0072062
2015	CO	LDT2	Dsl	0.00457414	0.00339967	0.0017779	0.0008266	0.0005575	0.0004474	0.0003799
2015	CO	LDT2	Gas	0.007374993	0.00641091	0.0056331	0.0050187	0.0045331	0.004143	0.0038127
2015	CO	LHDT1	Dsl	0.006995962	0.00501889	0.0035004	0.0025671	0.002087	0.0018101	0.0016547
2015	CO	LHDT1	Gas	0.010923846	0.00860134	0.0070834	0.0060171	0.005248	0.0047218	0.0043184
2015	CO	LHDT2	Dsl	0.006569603	0.00474645	0.0031426	0.0021697	0.0017316	0.0014915	0.0013553
2015	CO	LHDT2	Gas	0.009622363	0.00742903	0.0060156	0.0050437	0.0043574	0.0039036	0.0035647
2015	CO	MCY	Gas	0.149199229	0.11009435	0.0859729	0.0699973	0.0594871	0.052804	0.0484661
2015	CO	MDV	Dsl	0.0070866	0.00528735	0.0026665	0.0011341	0.0007249	0.0005664	0.0004678
2015	CO	MDV	Gas	0.010864451	0.00935704	0.0081729	0.0072524	0.0065351	0.0059668	0.0054914
2015	CO	MH	Dsl	0.005631457	0.00468382	0.0031638	0.0021439	0.001719	0.0014618	0.0012536
2015	CO	MH	Gas	0.061791212	0.04538717	0.0349722	0.0283534	0.0240215	0.021231	0.0195852
2015	CO	MHDT	Dsl	0.008543242	0.00706676	0.0048233	0.0033456	0.0026816	0.0022684	0.001944
2015	CO	MHDT	Gas	0.038351027	0.03052847	0.0252873	0.0216768	0.0190951	0.0172099	0.0158749
2015	CO	OBUS	Dsl	0.007717941	0.00636653	0.0043862	0.0031452	0.0024028	0.001929	0.0015562
2015	CO	OBUS	Gas	0.014419784	0.01257859	0.0111939	0.010066	0.0091446	0.0083599	0.0077076
2015	CO	SBUS	Dsl	0.003582203	0.00308684	0.0023166	0.00175	0.0014088	0.0011629	0.0009629
2015	CO	SBUS	Gas	0.053929144	0.04922447	0.0449496	0.041167	0.0377807	0.0347682	0.0320232
2015	CO	UBUS	Dsl	0.087007294	0.07174456	0.0473208	0.0310327	0.0243762	0.0204072	0.0172216
2015	CO	UBUS	Gas	0.020542276	0.01783604	0.0157833	0.0141485	0.0129222	0.0118	0.0108671
2015	CO2	HHDT	Dsl	10.94705312	8.98478242	6.4300896	4.9708643	4.7629833	4.3418643	4.1930172
2015	CO2	HHDT	Gas	9.677498504	8.20904323	5.9217639	4.7844021	4.5010266	4.2854566	4.1100947
2015	CO2	LDA	Dsl	1.718352551	1.43154987	1.1774457	0.9658878	0.8096474	0.7013032	0.633964
2015	CO2	LDA	Elec	0	0	0	0	0	0	0
2015	CO2	LDA	Gas	2.342300076	1.73764598	1.3329127	1.0625397	0.880513	0.7579595	0.6771599
2015	CO2	LDT1	Dsl	2.146103585	1.80651816	1.4979013	1.2306403	1.0318475	0.8922561	0.8052954
2015	CO2	LDT1	Elec	0	0	0	0	0	0	0

2015 CO2	LDT1	Gas	2.713349683	2.01288419	1.5444821	1.2314217	1.0205235	0.8784763	0.7848263
2015 CO2	LDT2	Dsl	2.129452747	1.79250204	1.4862796	1.2210922	1.0238418	0.8853334	0.7990474
2015 CO2	LDT2	Gas	3.157735559	2.34256692	1.7971596	1.4327335	1.1873186	1.0220593	0.9131046
2015 CO2	LHDT1	Dsl	2.872246137	2.41457103	1.5769169	1.3440836	1.1920741	1.0825322	1.0825322
2015 CO2	LHDT1	Gas	3.102437551	3.05150576	2.1198418	1.8404896	1.6871155	1.5311636	1.5311636
2015 CO2	LHDT2	Dsl	3.026876067	2.69007933	1.7907049	1.5273396	1.3610985	1.2274938	1.2274938
2015 CO2	LHDT2	Gas	3.306668052	3.43218008	2.4143978	2.1130079	1.9106987	1.7269776	1.7269776
2015 CO2	MCY	Gas	1.174949164	0.87149564	0.6709134	0.5360716	0.4445644	0.3826525	0.3418443
2015 CO2	MDV	Dsl	2.625007968	2.22927074	1.8905713	1.570112	1.3276912	1.1467118	1.0404823
2015 CO2	MDV	Gas	4.09916547	3.04096035	2.3330585	1.8600198	1.5414292	1.3268808	1.1854304
2015 CO2	MH	Dsl	4.66705905	4.23770968	3.479527	2.8553657	2.561147	2.4040237	2.2736309
2015 CO2	MH	Gas	8.711056149	7.4363096	5.1258618	3.6039101	3.1469787	2.8919451	2.6699666
2015 CO2	MHDT	Dsl	5.153337109	4.62310728	3.8466918	3.2728125	2.9748889	2.7929605	2.6461708
2015 CO2	MHDT	Gas	8.704283827	7.43052832	5.1218767	3.6011083	3.1445321	2.8896968	2.6678909
2015 CO2	OBUS	Dsl	6.076409208	5.42764758	4.4933566	3.8871406	3.5282315	3.3302226	3.1687783
2015 CO2	OBUS	Gas	8.688099867	7.41671266	5.1123536	3.5944127	3.1386855	2.884324	2.6629304
2015 CO2	SBUS	Dsl	5.26902081	4.75274289	3.9296188	3.2873617	2.9665281	2.7833039	2.6341898
2015 CO2	SBUS	Gas	4.108716275	3.50746061	2.417699	1.6998449	1.4843255	1.3640346	1.2593347
2015 CO2	UBUS	Dsl	7.594354859	6.89570685	5.6619731	4.6463223	4.1675622	3.9118874	3.6997089
2015 CO2	UBUS	Gas	8.709333242	7.43483882	5.124848	3.6031973	3.1463563	2.8913732	2.6694385
2015 Fuel	HHDT	Dsl	0.985234781	0.80863042	0.5787081	0.4473778	0.4286685	0.3907678	0.3773715
2015 Fuel	HHDT	Gas	1.119738235	0.94019528	0.6824588	0.5523298	0.5157638	0.4886096	0.4672524
2015 Fuel	LDA	Dsl	0.15465173	0.12883949	0.1059701	0.0869299	0.0728683	0.0631173	0.0570568
2015 Fuel	LDA	Elec	0	0	0	0	0	0	0
2015 Fuel	LDA	Gas	0.250545989	0.18597317	0.1427389	0.1138478	0.0943891	0.0812807	0.072629
2015 Fuel	LDT1	Dsl	0.193149323	0.16258663	0.1348111	0.1107576	0.0928663	0.080303	0.0724766
2015 Fuel	LDT1	Elec	0	0	0	0	0	0	0
2015 Fuel	LDT1	Gas	0.29214873	0.21690758	0.1665808	0.1329271	0.1102429	0.0949533	0.0848571
2015 Fuel	LDT2	Dsl	0.191650747	0.16132518	0.1337652	0.1098983	0.0921458	0.07968	0.0719143
2015 Fuel	LDT2	Gas	0.337663756	0.25063238	0.1923861	0.1534547	0.1272267	0.1095552	0.0978924
2015 Fuel	LHDT1	Dsl	0.258502152	0.21731139	0.1419225	0.1209675	0.1072867	0.0974279	0.0974279
2015 Fuel	LHDT1	Gas	0.332574066	0.32661462	0.2270796	0.1971051	0.1806128	0.1638997	0.1638182
2015 Fuel	LHDT2	Dsl	0.272418846	0.24210714	0.1611634	0.1374606	0.1224989	0.1104744	0.1104744
2015 Fuel	LHDT2	Gas	0.354024241	0.36690057	0.2582301	0.2259346	0.204252	0.184598	0.1845297
2015 Fuel	MCY	Gas	0.161112902	0.11853251	0.0909505	0.0725631	0.0602043	0.0519502	0.0465289
2015 Fuel	MDV	Dsl	0.236250717	0.20063437	0.1701514	0.1413101	0.1194922	0.1032041	0.0936434
2015 Fuel	MDV	Gas	0.438633886	0.32558152	0.2499347	0.1993691	0.1652995	0.142343	0.1271914
2015 Fuel	MH	Dsl	0.420035314	0.38139387	0.3131574	0.2569829	0.2305032	0.2163621	0.2046268
2015 Fuel	MH	Gas	0.939203371	0.80028152	0.55227	0.38895	0.3394672	0.3117773	0.2878239
2015 Fuel	MHDT	Dsl	0.46380034	0.41607965	0.3462023	0.2945531	0.26774	0.2513664	0.2381554
2015 Fuel	MHDT	Gas	0.934598904	0.79717129	0.5501995	0.3875013	0.3383469	0.3108289	0.2869455
2015 Fuel	OBUS	Dsl	0.546876829	0.48848828	0.4044021	0.3498427	0.3175408	0.29972	0.28519
2015 Fuel	OBUS	Gas	0.928191511	0.79224179	0.5465073	0.3846087	0.3358752	0.3086254	0.2849215
2015 Fuel	SBUS	Dsl	0.474211873	0.42774686	0.3536657	0.2958626	0.2669875	0.2504973	0.2370771
2015 Fuel	SBUS	Gas	0.449504553	0.38358394	0.2662	0.1887577	0.1650126	0.1515564	0.139858
2015 Fuel	UBUS	Dsl	0.683491937	0.62061362	0.5095776	0.418169	0.3750806	0.3520699	0.3329738
2015 Fuel	UBUS	Gas	0.932035579	0.79541899	0.5488593	0.3864119	0.3374689	0.3100681	0.2862416
2015 NOx	HHDT	Dsl	0.052818954	0.04290806	0.0298946	0.023306	0.0194371	0.017467	0.0163027
2015 NOx	HHDT	Gas	0.018248637	0.01644906	0.0151727	0.0143622	0.0136372	0.013157	0.01286
2015 NOx	LDA	Dsl	0.000759435	0.00074477	0.0007054	0.0006869	0.0006939	0.0007117	0.0007335
2015 NOx	LDA	Gas	0.087923667	0.07617588	0.0676544	0.0609854	0.0559508	0.0523395	0.0496103
2015 NOx	LDT1	Dsl	9.01688E-07	9.4307E-07	9.836E-07	1.027E-06	1.073E-06	1.122E-06	1.171E-06
2015 NOx	LDT1	Gas	0.264042686	0.22501219	0.1980111	0.1778738	0.1633841	0.1536077	0.1468034
2015 NOx	LDT2	Dsl	0.001274196	0.00117181	0.0009902	0.000873	0.0008343	0.0008278	0.0008332
2015 NOx	LDT2	Gas	0.003176707	0.00272084	0.0023929	0.0021387	0.0019481	0.0018118	0.0017098
2015 NOx	LHDT1	Dsl	27.54059539	9.50777945	7.5529094	2.2512739	0.8915979	1.2363919	0.3800214
2015 NOx	LHDT1	Gas	0.010907112	0.00250075	0.0018042	0.0005005	0.0001284	0.0001689	3.434E-05
2015 NOx	LHDT2	Dsl	0.002305211	0.00238614	0.0024556	0.0025378	0.0026494	0.0027587	0.002887
2015 NOx	LHDT2	Gas	0.000201355	0.00017894	0.0001618	0.0001497	0.000142	0.0001348	0.0001326
2015 NOx	MCY	Gas	0.000102926	0.00028963	0.0003614	0.0012174	0.0031431	0.0023369	0.0079307
2015 NOx	MDV	Dsl	2.98875E-06	1.0335E-05	1.035E-05	2.875E-05	9.782E-05	6.829E-05	0.0003259
2015 NOx	MDV	Gas	0.028817968	0.02457155	0.0215401	0.0192128	0.0174816	0.0162552	0.0153493
2015 NOx	MH	Dsl	0.167659886	0.06904153	0.0228384	0.0047967	0.0016	0.0028615	0.0017943

2015 NOx	MH	Gas	0.000549752	0.00025003	0.0001021	2.601E-05	9.765E-06	1.689E-05	1.148E-05
2015 NOx	MHDT	Dsl	2.124898368	1.76533111	1.2548819	0.9639634	0.8546202	0.7930476	0.748608
2015 NOx	MHDT	Gas	0.015064741	0.01327094	0.0117924	0.0107343	0.0099227	0.0093568	0.0089578
2015 NOx	OBUS	Dsl	0.002519147	0.00208855	0.0014318	0.0011261	0.0009844	0.0009487	0.0009208
2015 NOx	OBUS	Gas	0.001243606	0.00108394	0.0009524	0.0008567	0.0007824	0.0007291	0.0006901
2015 NOx	SBUS	Dsl	0.027558108	0.0160037	0.0172098	0.0169514	0.0240523	0.0224087	0.0185485
2015 NOx	SBUS	Gas	0.001062258	0.00064079	0.0008958	0.0010512	0.0013587	0.0013365	0.0010432
2015 NOx	UBUS	Dsl	0.418017472	0.3283302	0.1965866	0.9956428	0.0071293	0.0059955	0.0073544
2015 NOx	UBUS	Gas	0.050964175	0.04210357	0.0318529	0.1859472	0.0012866	0.0010494	0.0012582
2015 PM10	HHDT	Dsl	0.000390115	0.00037802	0.0003195	0.0003598	0.0001994	0.0001806	0.0001613
2015 PM10	HHDT	Gas	4.67421E-05	3.1977E-05	2.295E-05	1.728E-05	1.364E-05	1.129E-05	9.786E-06
2015 PM10	LDA	Dsl	0.000294716	0.00020823	0.0001534	0.0001179	9.455E-05	7.931E-05	6.949E-05
2015 PM10	LDA	Elec	0	0	0	0	0	0	0
2015 PM10	LDA	Gas	2.62758E-05	1.6761E-05	1.127E-05	7.993E-06	5.971E-06	4.698E-06	3.891E-06
2015 PM10	LDT1	Dsl	0.000981311	0.00068395	0.0004987	0.0003804	0.0003036	0.0002535	0.0002215
2015 PM10	LDT1	Elec	0	0	0	0	0	0	0
2015 PM10	LDT1	Gas	5.17171E-05	3.3849E-05	2.332E-05	1.688E-05	1.284E-05	1.025E-05	8.586E-06
2015 PM10	LDT2	Dsl	0.000114858	8.3558E-05	6.286E-05	4.903E-05	3.972E-05	3.361E-05	2.96E-05
2015 PM10	LDT2	Gas	2.4848E-05	1.5885E-05	1.071E-05	7.604E-06	5.689E-06	4.48E-06	3.714E-06
2015 PM10	LHDT1	Dsl	0.00032552	0.0002291	0.0001683	0.000129	0.0001034	8.659E-05	7.581E-05
2015 PM10	LHDT1	Gas	2.42344E-05	1.5458E-05	1.04E-05	7.383E-06	5.525E-06	4.36E-06	3.626E-06
2015 PM10	LHDT2	Dsl	0.000254254	0.00018098	0.000134	0.0001034	8.317E-05	6.993E-05	6.135E-05
2015 PM10	LHDT2	Gas	1.92782E-05	1.2337E-05	8.328E-06	5.929E-06	4.45E-06	3.521E-06	2.936E-06
2015 PM10	MCY	Gas	1.77313E-05	1.1986E-05	8.514E-06	6.352E-06	4.975E-06	4.089E-06	3.526E-06
2015 PM10	MDV	Dsl	9.99272E-05	7.3317E-05	5.549E-05	4.345E-05	3.53E-05	2.994E-05	2.641E-05
2015 PM10	MDV	Gas	2.62127E-05	1.6811E-05	1.136E-05	8.093E-06	6.069E-06	4.789E-06	3.976E-06
2015 PM10	MH	Dsl	0.001153929	0.00097274	0.000677	0.00047	0.0003859	0.0003404	0.0003123
2015 PM10	MH	Gas	4.17058E-05	2.7442E-05	1.902E-05	1.389E-05	1.067E-05	8.62E-06	7.324E-06
2015 PM10	MHDT	Dsl	0.001106107	0.00093413	0.0006553	0.0004607	0.0003813	0.0003389	0.0003135
2015 PM10	MHDT	Gas	2.2052E-05	1.4367E-05	9.868E-06	7.142E-06	5.444E-06	4.368E-06	3.689E-06
2015 PM10	OBUS	Dsl	0.000605155	0.00050508	0.0003456	0.0002365	0.0001914	0.0001658	0.000148
2015 PM10	OBUS	Gas	1.059E-05	6.7248E-06	4.505E-06	3.184E-06	2.373E-06	1.865E-06	1.546E-06
2015 PM10	SBUS	Dsl	0.000700878	0.00058474	0.0003969	0.0002671	0.0002146	0.0001836	0.0001606
2015 PM10	SBUS	Gas	4.82581E-05	3.0364E-05	2.016E-05	1.411E-05	1.043E-05	8.126E-06	6.681E-06
2015 PM10	UBUS	Dsl	0.000808004	0.00068488	0.0004834	0.0003417	0.0002831	0.0002475	0.0002198
2015 PM10	UBUS	Gas	1.36965E-05	8.6945E-06	5.823E-06	4.114E-06	3.065E-06	2.408E-06	1.995E-06
2015 PM2_5	HHDT	Dsl	0.000373239	0.00036166	0.0003057	0.0003442	0.0001908	0.0001728	0.0001543
2015 PM2_5	HHDT	Gas	4.42047E-05	3.0256E-05	2.173E-05	1.636E-05	1.292E-05	1.069E-05	9.274E-06
2015 PM2_5	LDA	Dsl	0.000281966	0.00019922	0.0001467	0.0001128	9.046E-05	7.588E-05	6.648E-05
2015 PM2_5	LDA	Elec	0	0	0	0	0	0	0
2015 PM2_5	LDA	Gas	2.41946E-05	1.5436E-05	1.038E-05	7.363E-06	5.501E-06	4.328E-06	3.586E-06
2015 PM2_5	LDT1	Dsl	0.00093886	0.00065436	0.0004771	0.000364	0.0002905	0.0002426	0.0002119
2015 PM2_5	LDT1	Elec	0	0	0	0	0	0	0
2015 PM2_5	LDT1	Gas	4.77286E-05	3.1246E-05	2.153E-05	1.559E-05	1.186E-05	9.472E-06	7.934E-06
2015 PM2_5	LDT2	Dsl	0.00010989	7.9944E-05	6.015E-05	4.69E-05	3.801E-05	3.216E-05	2.832E-05
2015 PM2_5	LDT2	Gas	2.28824E-05	1.4631E-05	9.863E-06	7.006E-06	5.241E-06	4.129E-06	3.423E-06
2015 PM2_5	LHDT1	Dsl	0.000311438	0.00021918	0.000161	0.0001235	9.889E-05	8.285E-05	7.253E-05
2015 PM2_5	LHDT1	Gas	2.22985E-05	1.4224E-05	9.572E-06	6.794E-06	5.085E-06	4.013E-06	3.337E-06
2015 PM2_5	LHDT2	Dsl	0.000243256	0.00017315	0.0001282	9.893E-05	7.957E-05	6.691E-05	5.87E-05
2015 PM2_5	LHDT2	Gas	1.77314E-05	1.1347E-05	7.66E-06	5.454E-06	4.094E-06	3.239E-06	2.701E-06
2015 PM2_5	MCY	Gas	1.67496E-05	1.1326E-05	8.047E-06	6.005E-06	4.704E-06	3.867E-06	3.335E-06
2015 PM2_5	MDV	Dsl	9.56044E-05	7.0145E-05	5.309E-05	4.157E-05	3.377E-05	2.865E-05	2.526E-05
2015 PM2_5	MDV	Gas	2.41409E-05	1.5484E-05	1.047E-05	7.457E-06	5.592E-06	4.414E-06	3.664E-06
2015 PM2_5	MH	Dsl	0.00110401	0.00093066	0.0006477	0.0004497	0.0003692	0.0003257	0.0002988
2015 PM2_5	MH	Gas	3.8709E-05	2.5484E-05	1.768E-05	1.291E-05	9.92E-06	8.019E-06	6.816E-06
2015 PM2_5	MHDT	Dsl	0.001058257	0.00089372	0.0006269	0.0004407	0.0003648	0.0003242	0.0002999
2015 PM2_5	MHDT	Gas	2.0444E-05	1.3327E-05	9.159E-06	6.631E-06	5.057E-06	4.06E-06	3.429E-06
2015 PM2_5	OBUS	Dsl	0.000578976	0.00048323	0.0003307	0.0002263	0.0001831	0.0001586	0.0001416
2015 PM2_5	OBUS	Gas	9.75853E-06	6.1981E-06	4.153E-06	2.936E-06	2.188E-06	1.72E-06	1.426E-06
2015 PM2_5	SBUS	Dsl	0.000670558	0.00055945	0.0003798	0.0002555	0.0002053	0.0001757	0.0001536
2015 PM2_5	SBUS	Gas	4.43716E-05	2.7919E-05	1.853E-05	1.298E-05	9.587E-06	7.472E-06	6.143E-06
2015 PM2_5	UBUS	Dsl	0.00077305	0.00065525	0.0004625	0.0003269	0.0002709	0.0002368	0.0002103
2015 PM2_5	UBUS	Gas	1.2602E-05	8.0003E-06	5.358E-06	3.786E-06	2.821E-06	2.217E-06	1.836E-06

2015	ROG	HHDT	Dsl	0.003540001	0.00300932	0.0019869	0.001376	0.0008576	0.0006752	0.0005201
2015	ROG	HHDT	Gas	0.022560209	0.01503529	0.0105795	0.0078786	0.0061085	0.0049823	0.0042682
2015	ROG	LDA	Dsl	0.000701152	0.00050466	0.0003109	0.0001939	0.0001458	0.0001196	0.0001029
2015	ROG	LDA	Elec	0	0	0	0	0	0	0
2015	ROG	LDA	Gas	0.000430351	0.00028006	0.0001915	0.000138	0.0001048	8.381E-05	7.037E-05
2015	ROG	LDT1	Dsl	0.001522885	0.00106534	0.0007583	0.0005645	0.0004475	0.0003729	0.0003253
2015	ROG	LDT1	Elec	0	0	0	0	0	0	0
2015	ROG	LDT1	Gas	0.001190359	0.00079998	0.0005647	0.0004178	0.0003244	0.0002643	0.0002251
2015	ROG	LDT2	Dsl	0.000632347	0.00046619	0.0002505	0.0001233	8.448E-05	6.716E-05	5.617E-05
2015	ROG	LDT2	Gas	0.000518289	0.00033775	0.0002312	0.0001666	0.0001265	0.0001011	8.477E-05
2015	ROG	LHDT1	Dsl	0.00174798	0.00123578	0.0008353	0.0005874	0.0004585	0.0003803	0.0003304
2015	ROG	LHDT1	Gas	0.000955345	0.00062649	0.0004338	0.000315	0.0002398	0.0001933	0.0001624
2015	ROG	LHDT2	Dsl	0.00169369	0.00121055	0.0007739	0.0005079	0.0003883	0.0003201	0.0002766
2015	ROG	LHDT2	Gas	0.00078037	0.00051557	0.0003594	0.0002626	0.0002009	0.0001628	0.0001372
2015	ROG	MCY	Gas	0.029623169	0.01965515	0.0137961	0.0101587	0.0078595	0.0064	0.0054586
2015	ROG	MDV	Dsl	0.000487682	0.00035961	0.000193	9.479E-05	6.486E-05	5.154E-05	4.309E-05
2015	ROG	MDV	Gas	0.000860737	0.00055916	0.0003814	0.000274	0.0002075	0.0001654	0.0001384
2015	ROG	MH	Dsl	0.002771636	0.00210294	0.0010846	0.0004916	0.0003486	0.0002837	0.0002341
2015	ROG	MH	Gas	0.003448964	0.00233562	0.0016565	0.0012373	0.0009696	0.0007985	0.0006901
2015	ROG	MHDT	Dsl	0.006210141	0.00472809	0.0025072	0.0012307	0.0008987	0.000727	0.0005935
2015	ROG	MHDT	Gas	0.003331956	0.00217618	0.0014989	0.0010872	0.0008303	0.0006673	0.0005645
2015	ROG	OBUS	Dsl	0.004227403	0.0032749	0.001866	0.0010583	0.0007621	0.0005927	0.0004624
2015	ROG	OBUS	Gas	0.001685193	0.00106975	0.0007189	0.0005081	0.0003789	0.0002973	0.0002462
2015	ROG	SBUS	Dsl	0.002827153	0.00219406	0.0012217	0.0006155	0.0004392	0.0003541	0.0002889
2015	ROG	SBUS	Gas	0.006649399	0.00419369	0.0027837	0.0019499	0.0014399	0.0011218	0.0009202
2015	ROG	UBUS	Dsl	0.010147447	0.00773818	0.0040457	0.0018547	0.0013112	0.0010596	0.0008665
2015	ROG	UBUS	Gas	0.002902483	0.00186998	0.0012713	0.0009102	0.0006939	0.0005506	0.0004602
2035	CH4	HHDT	Dsl	0.004460976	0.00262135	0.0008294	0.0001376	0.0002748	0.0001423	0.0001391
2035	CH4	LDA	Dsl	9.13056E-06	6.8323E-06	3.345E-06	1.311E-06	7.908E-07	5.987E-07	4.771E-07
2035	CH4	LDA	Elec	0	0	0	0	0	0	0
2035	CH4	LDA	Gas	2.7389E-05	1.7444E-05	1.159E-05	8.092E-06	5.969E-06	4.658E-06	3.829E-06
2035	CH4	LDT1	Dsl	3.08652E-05	2.2658E-05	1.249E-05	6.473E-06	4.537E-06	3.636E-06	3.064E-06
2035	CH4	LDT1	Elec	0	0	0	0	0	0	0
2035	CH4	LDT1	Gas	3.78431E-05	2.4268E-05	1.623E-05	1.14E-05	8.455E-06	6.623E-06	5.456E-06
2035	CH4	LDT2	Dsl	2.69813E-05	2.0195E-05	9.87E-06	3.847E-06	2.313E-06	1.748E-06	1.391E-06
2035	CH4	LDT2	Gas	3.75344E-05	2.392E-05	1.59E-05	1.111E-05	8.202E-06	6.404E-06	5.265E-06
2035	CH4	LHDT1	Dsl	7.90155E-05	5.8564E-05	3.046E-05	1.396E-05	9.233E-06	7.248E-06	5.989E-06
2035	CH4	LHDT1	Gas	5.84872E-05	3.6809E-05	2.448E-05	1.71E-05	1.255E-05	9.783E-06	7.965E-06
2035	CH4	LHDT2	Dsl	7.62935E-05	5.7029E-05	2.811E-05	1.123E-05	6.865E-06	5.225E-06	4.187E-06
2035	CH4	LHDT2	Gas	2.26571E-05	1.4259E-05	9.483E-06	6.625E-06	4.862E-06	3.79E-06	3.085E-06
2035	CH4	MCY	Gas	0.005976292	0.00386155	0.0026345	0.0018966	0.001439	0.0011496	0.0009662
2035	CH4	MDV	Dsl	1.0758E-05	8.0521E-06	3.936E-06	1.535E-06	9.231E-07	6.978E-07	5.554E-07
2035	CH4	MDV	Gas	5.85945E-05	3.7546E-05	2.509E-05	1.762E-05	1.305E-05	1.022E-05	8.419E-06
2035	CH4	MH	Dsl	8.46388E-05	6.3446E-05	3.124E-05	1.262E-05	7.993E-06	6.187E-06	4.979E-06
2035	CH4	MH	Gas	9.44825E-05	5.9418E-05	3.96E-05	2.773E-05	2.05E-05	1.594E-05	1.309E-05
2035	CH4	MHDT	Dsl	2.46766E-05	1.9971E-05	1.403E-05	1.012E-05	7.415E-06	5.467E-06	4.031E-06
2035	CH4	MHDT	Gas	7.76164E-05	4.8811E-05	3.253E-05	2.278E-05	#DIV/0!	#DIV/0!	#DIV/0!
2035	CH4	OBUS	Dsl	3.83718E-05	3.1041E-05	2.142E-05	1.553E-05	1.132E-05	8.45E-06	6.283E-06
2035	CH4	OBUS	Gas	7.2011E-05	4.5286E-05	3.018E-05	2.114E-05	1.562E-05	1.215E-05	9.975E-06
2035	CH4	SBUS	Dsl	2.87312E-05	2.3166E-05	1.605E-05	1.145E-05	8.407E-06	6.23E-06	4.621E-06
2035	CH4	SBUS	Gas	5.12248E-05	3.2306E-05	2.144E-05	1.502E-05	1.109E-05	8.641E-06	7.088E-06
2035	CH4	UBUS	Dsl	0.026824107	0.02014228	0.0099907	0.0041218	0.0026656	0.0020573	0.0016379
2035	CH4	UBUS	Gas	0.000262453	0.00016514	0.0001097	7.675E-05	5.714E-05	4.443E-05	3.645E-05
2035	CO	HHDT	Dsl	0.019471472	0.01291171	0.0061544	0.0029764	0.0027837	0.0018715	0.0014803
2035	CO	LDA	Dsl	0.005911909	0.0044253	0.0021623	0.0008424	0.0005065	0.0003829	0.0003048
2035	CO	LDA	Elec	0	0	0	0	0	0	0
2035	CO	LDA	Gas	0.001416611	0.00130823	0.0011909	0.0010829	0.0009899	0.000912	0.0008402
2035	CO	LDT1	Dsl	0.006279332	0.00465008	0.0025139	0.0012569	0.000881	0.0007196	0.0006222
2035	CO	LDT1	Elec	0	0	0	0	0	0	0
2035	CO	LDT1	Gas	0.001744399	0.00160354	0.0014552	0.0013202	0.0012047	0.0011085	0.0010206
2035	CO	LDT2	Dsl	0.005874242	0.00439715	0.0021483	0.0008367	0.0005029	0.0003802	0.0003025
2035	CO	LDT2	Gas	0.001875804	0.00173116	0.0015756	0.0014328	0.0013096	0.0012064	0.0011115
2035	CO	LHDT1	Dsl	0.007738959	0.00575368	0.0030002	0.0013856	0.0009309	0.0007456	0.000632

2035	CO	LHDT1	Gas	0.001168085	0.00106399	0.0009734	0.0008893	0.0008113	0.000747	0.0006829
2035	CO	LHDT2	Dsl	0.007286259	0.00544844	0.0026892	0.0010787	0.0006625	0.0005069	0.000409
2035	CO	LHDT2	Gas	0.00051996	0.00047362	0.0004333	0.0003959	0.0003611	0.0003325	0.000304
2035	CO	MCY	Gas	0.099325689	0.07610539	0.0611848	0.0513012	0.0445664	0.0399346	0.0367429
2035	CO	MDV	Dsl	0.006727633	0.00503611	0.0024598	0.0009572	0.0005749	0.0004345	0.0003456
2035	CO	MDV	Gas	0.002435548	0.00224215	0.002037	0.0018497	0.001689	0.0015547	0.0014318
2035	CO	MH	Dsl	0.004813599	0.00366693	0.0019101	0.0008686	0.0005841	0.0004681	0.0003892
2035	CO	MH	Gas	0.001491367	0.00135751	0.0012445	0.0011396	0.0010469	0.0009618	0.0008866
2035	CO	MHDT	Dsl	0.002764291	0.00223898	0.0015768	0.0011406	0.000836	0.0006164	0.0004544
2035	CO	MHDT	Gas	0.001220503	0.00111096	0.0010185	0.0009326	#DIV/0!	#DIV/0!	#DIV/0!
2035	CO	OBUS	Dsl	0.004672221	0.00377889	0.0025988	0.0018846	0.0013723	0.0010268	0.0007646
2035	CO	OBUS	Gas	0.001084328	0.000987	0.0009048	0.0008286	0.0007611	0.0006993	0.0006446
2035	CO	SBUS	Dsl	0.002754958	0.00222968	0.001565	0.001129	0.0008292	0.0006139	0.0004553
2035	CO	SBUS	Gas	0.000721491	0.00065856	0.0006014	0.0005508	0.0005055	0.0004652	0.0004284
2035	CO	UBUS	Dsl	0.089575324	0.06850458	0.0361197	0.0167437	0.0112541	0.0089102	0.0072799
2035	CO	UBUS	Gas	0.004819692	0.00438941	0.00401	0.0036697	0.0033946	0.0031185	0.0028726
2035	CO2	HHDT	Dsl	8.592534848	7.03643495	5.1774304	4.1275284	3.9876398	3.6780698	3.5649491
2035	CO2	LDA	Dsl	1.074376009	0.89505663	0.7361815	0.6039079	0.5062207	0.4384801	0.3963771
2035	CO2	LDA	Elec	0	0	0	0	0	0	0
2035	CO2	LDA	Gas	1.428764832	1.06699413	0.8207574	0.6540023	0.541376	0.4661313	0.4161788
2035	CO2	LDT1	Dsl	1.368089292	1.15161177	0.954876	0.7845035	0.6577779	0.5687917	0.5133564
2035	CO2	LDT1	Elec	0	0	0	0	0	0	0
2035	CO2	LDT1	Gas	1.574860087	1.17583296	0.9045027	0.7207982	0.5967049	0.5137647	0.4587164
2035	CO2	LDT2	Dsl	1.333443161	1.12244782	0.9306942	0.7646364	0.64112	0.5543874	0.5003559
2035	CO2	LDT2	Gas	1.810988449	1.35212947	1.0401181	0.8288709	0.6861721	0.5907962	0.5274943
2035	CO2	LHDT1	Dsl	2.553025801	2.14621653	1.401659	1.1947026	1.0595875	0.96222	0.96222
2035	CO2	LHDT1	Gas	2.90669277	2.85897446	1.9860928	1.724366	1.5806688	1.4345566	1.4345566
2035	CO2	LHDT2	Dsl	2.638614935	2.34501953	1.561009	1.3314258	1.1865087	1.0700416	1.0700416
2035	CO2	LHDT2	Gas	3.036276133	3.15152483	2.2169684	1.9402237	1.7544576	1.5857597	1.5857597
2035	CO2	MCY	Gas	1.246407595	0.92449853	0.7117172	0.5686745	0.471602	0.4059247	0.3626347
2035	CO2	MDV	Dsl	1.651555591	1.40257271	1.1894758	0.987855	0.835333	0.7214676	0.6546321
2035	CO2	MDV	Gas	2.425274337	1.81071539	1.3928878	1.110007	0.9189152	0.7911876	0.7064163
2035	CO2	MH	Dsl	4.433566167	4.02569714	3.3054463	2.7125118	2.4330129	2.2837505	2.1598812
2035	CO2	MH	Gas	8.163562068	6.96893395	4.8036989	3.3774026	2.9491896	2.710185	2.5021579
2035	CO2	MHDT	Dsl	4.678621625	4.14883795	3.480655	3.0401106	2.8054756	2.6532858	2.5324213
2035	CO2	MHDT	Gas	8.100084681	6.91474563	4.7663468	3.351141	#DIV/0!	#DIV/0!	#DIV/0!
2035	CO2	OBUS	Dsl	5.608026183	4.96945422	4.1243423	3.6070139	3.3193744	3.1647145	3.0385422
2035	CO2	OBUS	Gas	8.089686538	6.90586912	4.7602282	3.3468391	2.9225011	2.6856594	2.4795148
2035	CO2	SBUS	Dsl	4.721128113	4.18921397	3.5153059	3.0692461	2.828996	2.6753849	2.5538086
2035	CO2	SBUS	Gas	3.853949903	3.28997589	2.2677864	1.5944438	1.3922879	1.2794558	1.181248
2035	CO2	UBUS	Dsl	6.559190915	5.95577354	4.8902064	4.0129959	3.5994942	3.3786696	3.1954126
2035	CO2	UBUS	Gas	8.195501718	6.99619966	4.8224932	3.3906166	2.9607282	2.7207885	2.5119475
2035	Fuel	HHDT	Dsl	0.773328136	0.63327915	0.4659687	0.3714776	0.3588876	0.3310263	0.3208454
2035	Fuel	LDA	Dsl	0.096693841	0.0805551	0.0662563	0.0543517	0.0455599	0.0394632	0.0356739
2035	Fuel	LDA	Elec	0	0	0	0	0	0	0
2035	Fuel	LDA	Gas	0.152388457	0.11384139	0.0875983	0.0698219	0.0578126	0.0497868	0.0444554
2035	Fuel	LDT1	Dsl	0.123128036	0.10364506	0.0859388	0.0706053	0.0592	0.0511913	0.0462021
2035	Fuel	LDT1	Elec	0	0	0	0	0	0	0
2035	Fuel	LDT1	Gas	0.168009837	0.12548656	0.0965641	0.0769771	0.0637423	0.0548935	0.0490164
2035	Fuel	LDT2	Dsl	0.120009885	0.1010203	0.0837625	0.0688173	0.0577008	0.0498949	0.045032
2035	Fuel	LDT2	Gas	0.193172061	0.14427781	0.1110229	0.0885021	0.0732851	0.0631111	0.0563542
2035	Fuel	LHDT1	Dsl	0.229772322	0.19315949	0.1261493	0.1075232	0.0953629	0.0865998	0.0865998
2035	Fuel	LHDT1	Gas	0.309736894	0.30461449	0.2116497	0.1837613	0.1684437	0.1528732	0.1528605
2035	Fuel	LHDT2	Dsl	0.237475344	0.21105176	0.1404908	0.1198283	0.1067858	0.0963037	0.0963037
2035	Fuel	LHDT2	Gas	0.323384836	0.33563815	0.2361238	0.2066493	0.186863	0.1688957	0.1688902
2035	Fuel	MCY	Gas	0.16027251	0.11824649	0.0908503	0.0726159	0.0603155	0.0520174	0.0465379
2035	Fuel	MDV	Dsl	0.148640003	0.12623154	0.1070528	0.0889069	0.07518	0.0649321	0.0589169
2035	Fuel	MDV	Gas	0.258692454	0.1932043	0.1486698	0.1185118	0.0981342	0.0845094	0.0754612
2035	Fuel	MH	Dsl	0.399020955	0.36231274	0.2974902	0.2441261	0.2189712	0.2055375	0.1943893
2035	Fuel	MH	Gas	0.869530404	0.74227645	0.5117026	0.359814	0.3141985	0.2887323	0.2665678
2035	Fuel	MHDT	Dsl	0.421075946	0.37339542	0.3132589	0.27361	0.2524928	0.2387957	0.2279179
2035	Fuel	MHDT	Gas	0.862707649	0.73645382	0.50768	0.3569777	#DIV/0!	#DIV/0!	#DIV/0!
2035	Fuel	OBUS	Dsl	0.504722356	0.44725088	0.3711908	0.3246312	0.2987437	0.2848243	0.2734688



2035 Fuel	OBUS	Gas	0.861571461	0.73548403	0.5070069	0.3565004	0.3113036	0.2860728	0.264113
2035 Fuel	SBUS	Dsl	0.42490153	0.37702926	0.3163775	0.2762321	0.2546096	0.2407846	0.2298428
2035 Fuel	SBUS	Gas	0.410508461	0.35043031	0.241576	0.1698695	0.148334	0.1363112	0.1258471
2035 Fuel	UBUS	Dsl	0.590327182	0.53601962	0.4401186	0.3611696	0.3239545	0.3040803	0.2875871
2035 Fuel	UBUS	Gas	0.873677091	0.74580579	0.5142453	0.3616994	0.315861	0.2902542	0.2679687
2035 NOx	HHDT	Dsl	0.028463614	0.02400954	0.016529	0.0093134	0.0055542	0.0036583	0.002612
2035 NOx	LDA	Dsl	0.000111621	9.3327E-05	6.359E-05	4.305E-05	3.363E-05	2.872E-05	2.548E-05
2035 NOx	LDA	Elec	0	0	0	0	0	0	0
2035 NOx	LDA	Gas	0.000100498	8.6754E-05	7.638E-05	6.853E-05	6.254E-05	5.797E-05	5.45E-05
2035 NOx	LDT1	Dsl	0.000733754	0.0007103	0.0006583	0.0006305	0.0006316	0.0006445	0.0006619
2035 NOx	LDT1	Elec	0	0	0	0	0	0	0
2035 NOx	LDT1	Gas	0.000134721	0.00011555	0.0001013	9.055E-05	8.245E-05	7.633E-05	7.173E-05
2035 NOx	LDT2	Dsl	0.000336912	0.00028019	0.0001882	0.0001246	9.515E-05	7.962E-05	6.924E-05
2035 NOx	LDT2	Gas	0.000135559	0.00011675	0.0001026	9.198E-05	8.388E-05	7.772E-05	7.305E-05
2035 NOx	LHDT1	Dsl	0.001980302	0.00194392	0.0018461	0.0017996	0.0018251	0.0018701	0.0019357
2035 NOx	LHDT1	Gas	0.000512366	0.00044441	0.0003916	0.0003526	0.0003256	0.0003012	0.0002891
2035 NOx	LHDT2	Dsl	0.000815295	0.00071994	0.0005602	0.0004521	0.0004093	0.0003907	0.0003838
2035 NOx	LHDT2	Gas	0.000175029	0.00015181	0.0001338	0.0001205	0.0001112	0.0001029	9.874E-05
2035 NOx	MCY	Gas	0.003646609	0.00325593	0.0029763	0.0027744	0.0026274	0.0025213	0.0024503
2035 NOx	MDV	Dsl	0.000129729	0.00010807	7.292E-05	4.861E-05	3.74E-05	3.151E-05	2.759E-05
2035 NOx	MDV	Gas	0.00022111	0.00018871	0.0001648	0.0001469	0.0001335	0.0001235	0.000116
2035 NOx	MH	Dsl	0.025196019	0.02095285	0.0141355	0.0095931	0.0075968	0.006534	0.0058139
2035 NOx	MH	Gas	0.000668214	0.00058113	0.0005094	0.000457	0.0004163	0.0003869	0.0003653
2035 NOx	MHDT	Dsl	0.021970307	0.01671165	0.0100672	0.0057115	0.0031625	0.0020095	0.001392
2035 NOx	MHDT	Gas	0.000491758	0.00042767	0.0003749	0.0003363	#DIV/0!	#DIV/0!	#DIV/0!
2035 NOx	OBUS	Dsl	0.031073393	0.02359302	0.0139936	0.0079173	0.004323	0.0027246	0.00186
2035 NOx	OBUS	Gas	0.000455243	0.00039591	0.000347	0.0003114	0.0002836	0.0002636	0.0002489
2035 NOx	SBUS	Dsl	0.020709072	0.01595559	0.0099471	0.0059878	0.0036996	0.0026483	0.0020665
2035 NOx	SBUS	Gas	0.000367861	0.00031827	0.000281	0.000252	0.0002299	0.0002131	0.0002015
2035 NOx	UBUS	Dsl	0.015953524	0.01300418	0.0086863	0.0064783	0.0060121	0.0058191	0.0056987
2035 NOx	UBUS	Gas	0.002241511	0.00194756	0.0017182	0.0015432	0.001386	0.0012884	0.0012185
2035 PM10	HHDT	Dsl	2.52246E-05	2.2704E-05	1.913E-05	1.464E-05	1.482E-05	1.359E-05	1.256E-05
2035 PM10	LDA	Dsl	5.7765E-06	5.2531E-06	4.509E-06	3.815E-06	3.254E-06	2.871E-06	2.591E-06
2035 PM10	LDA	Elec	0	0	0	0	0	0	0
2035 PM10	LDA	Gas	1.50169E-05	9.4513E-06	6.275E-06	4.395E-06	3.248E-06	2.531E-06	2.082E-06
2035 PM10	LDT1	Dsl	0.00013166	9.5783E-05	7.206E-05	5.62E-05	4.554E-05	3.853E-05	3.394E-05
2035 PM10	LDT1	Elec	0	0	0	0	0	0	0
2035 PM10	LDT1	Gas	1.60474E-05	1.0115E-05	6.726E-06	4.717E-06	3.489E-06	2.722E-06	2.239E-06
2035 PM10	LDT2	Dsl	2.08755E-05	1.9449E-05	1.689E-05	1.438E-05	1.231E-05	1.09E-05	9.85E-06
2035 PM10	LDT2	Gas	1.53377E-05	9.6545E-06	6.411E-06	4.491E-06	3.319E-06	2.587E-06	2.127E-06
2035 PM10	LHDT1	Dsl	7.75929E-05	6.1317E-05	4.871E-05	3.937E-05	3.265E-05	2.818E-05	2.511E-05
2035 PM10	LHDT1	Gas	1.67114E-05	1.0515E-05	6.979E-06	4.887E-06	3.611E-06	2.814E-06	2.313E-06
2035 PM10	LHDT2	Dsl	4.35965E-05	3.9218E-05	3.348E-05	2.824E-05	2.404E-05	2.119E-05	1.91E-05
2035 PM10	LHDT2	Gas	1.66551E-05	1.0479E-05	6.956E-06	4.871E-06	3.598E-06	2.804E-06	2.306E-06
2035 PM10	MCY	Gas	2.91486E-05	1.8769E-05	1.275E-05	9.128E-06	6.89E-06	5.479E-06	4.589E-06
2035 PM10	MDV	Dsl	6.93149E-06	6.4366E-06	5.581E-06	4.748E-06	4.063E-06	3.595E-06	3.248E-06
2035 PM10	MDV	Gas	1.62414E-05	1.0234E-05	6.803E-06	4.77E-06	3.527E-06	2.751E-06	2.263E-06
2035 PM10	MH	Dsl	0.000211758	0.0001853	0.0001407	0.0001071	9.032E-05	8.078E-05	7.491E-05
2035 PM10	MH	Gas	1.68391E-05	1.0595E-05	7.033E-06	4.925E-06	3.638E-06	2.835E-06	2.331E-06
2035 PM10	MHDT	Dsl	1.42678E-05	1.2732E-05	1.071E-05	9.37E-06	8.463E-06	7.764E-06	7.192E-06
2035 PM10	MHDT	Gas	1.64856E-05	1.0373E-05	6.885E-06	4.821E-06	#DIV/0!	#DIV/0!	#DIV/0!
2035 PM10	OBUS	Dsl	1.75388E-05	1.5767E-05	1.34E-05	1.197E-05	1.086E-05	1.007E-05	9.39E-06
2035 PM10	OBUS	Gas	1.68078E-05	1.0575E-05	7.02E-06	4.916E-06	3.631E-06	2.83E-06	2.327E-06
2035 PM10	SBUS	Dsl	2.17918E-05	1.9766E-05	1.713E-05	1.532E-05	1.402E-05	1.306E-05	1.235E-05
2035 PM10	SBUS	Gas	1.5507E-05	9.757E-06	6.476E-06	4.535E-06	3.35E-06	2.611E-06	2.147E-06
2035 PM10	UBUS	Dsl	0.000109849	8.9729E-05	5.722E-05	3.501E-05	2.623E-05	2.119E-05	1.761E-05
2035 PM10	UBUS	Gas	1.568E-05	9.8658E-06	6.549E-06	4.586E-06	3.388E-06	2.64E-06	2.171E-06
2035 PM2_5	HHDT	Dsl	2.41334E-05	2.1722E-05	1.83E-05	1.401E-05	1.418E-05	1.3E-05	1.202E-05
2035 PM2_5	LDA	Dsl	5.52661E-06	5.0258E-06	4.314E-06	3.65E-06	3.113E-06	2.747E-06	2.479E-06
2035 PM2_5	LDA	Elec	0	0	0	0	0	0	0
2035 PM2_5	LDA	Gas	1.38075E-05	8.6901E-06	5.77E-06	4.041E-06	2.986E-06	2.328E-06	1.914E-06
2035 PM2_5	LDT1	Dsl	0.000125964	9.164E-05	6.895E-05	5.377E-05	4.357E-05	3.687E-05	3.247E-05
2035 PM2_5	LDT1	Elec	0	0	0	0	0	0	0

2035	PM2_5	LDT1	Gas	1.4755E-05	9.3006E-06	6.184E-06	4.337E-06	3.208E-06	2.503E-06	2.059E-06
2035	PM2_5	LDT2	Dsl	1.99724E-05	1.8608E-05	1.616E-05	1.376E-05	1.178E-05	1.043E-05	9.424E-06
2035	PM2_5	LDT2	Gas	1.41024E-05	8.8769E-06	5.895E-06	4.129E-06	3.051E-06	2.379E-06	1.956E-06
2035	PM2_5	LHDT1	Dsl	7.42363E-05	5.8664E-05	4.66E-05	3.767E-05	3.124E-05	2.696E-05	2.402E-05
2035	PM2_5	LHDT1	Gas	1.53655E-05	9.6679E-06	6.417E-06	4.494E-06	3.32E-06	2.587E-06	2.127E-06
2035	PM2_5	LHDT2	Dsl	4.17105E-05	3.7522E-05	3.203E-05	2.702E-05	2.3E-05	2.027E-05	1.828E-05
2035	PM2_5	LHDT2	Gas	1.53137E-05	9.6354E-06	6.396E-06	4.479E-06	3.309E-06	2.578E-06	2.12E-06
2035	PM2_5	MCY	Gas	2.7179E-05	1.7502E-05	1.189E-05	8.512E-06	6.425E-06	5.109E-06	4.28E-06
2035	PM2_5	MDV	Dsl	6.63164E-06	6.1582E-06	5.34E-06	4.543E-06	3.888E-06	3.44E-06	3.108E-06
2035	PM2_5	MDV	Gas	1.49334E-05	9.4098E-06	6.255E-06	4.385E-06	3.243E-06	2.529E-06	2.081E-06
2035	PM2_5	MH	Dsl	0.000202597	0.00017729	0.0001346	0.0001025	8.641E-05	7.728E-05	7.167E-05
2035	PM2_5	MH	Gas	1.54829E-05	9.7418E-06	6.466E-06	4.528E-06	3.345E-06	2.607E-06	2.143E-06
2035	PM2_5	MHDT	Dsl	1.36506E-05	1.2181E-05	1.025E-05	8.965E-06	8.096E-06	7.428E-06	6.881E-06
2035	PM2_5	MHDT	Gas	1.51579E-05	9.5373E-06	6.331E-06	4.433E-06	#DIV/0!	#DIV/0!	#DIV/0!
2035	PM2_5	OBUS	Dsl	1.67801E-05	1.5085E-05	1.282E-05	1.145E-05	1.039E-05	9.63E-06	8.984E-06
2035	PM2_5	OBUS	Gas	1.54541E-05	9.7237E-06	6.454E-06	4.52E-06	3.339E-06	2.602E-06	2.139E-06
2035	PM2_5	SBUS	Dsl	2.08491E-05	1.8911E-05	1.639E-05	1.466E-05	1.341E-05	1.249E-05	1.181E-05
2035	PM2_5	SBUS	Gas	1.42581E-05	8.9712E-06	5.955E-06	4.17E-06	3.08E-06	2.401E-06	1.974E-06
2035	PM2_5	UBUS	Dsl	0.000105097	8.5847E-05	5.474E-05	3.349E-05	2.51E-05	2.028E-05	1.685E-05
2035	PM2_5	UBUS	Gas	1.44172E-05	9.0713E-06	6.021E-06	4.216E-06	3.115E-06	2.428E-06	1.996E-06
2035	ROG	HHDT	Dsl	0.000903725	0.0007853	0.0006059	0.0004404	0.0003287	0.0002463	0.0001797
2035	ROG	LDA	Dsl	0.000196576	0.00014709	7.202E-05	2.822E-05	1.703E-05	1.289E-05	1.027E-05
2035	ROG	LDA	Elec	0	0	0	0	0	0	0
2035	ROG	LDA	Gas	6.77812E-05	4.3169E-05	2.867E-05	2.002E-05	1.477E-05	1.153E-05	9.476E-06
2035	ROG	LDT1	Dsl	0.00066451	0.00048781	0.0002689	0.0001394	9.768E-05	7.829E-05	6.596E-05
2035	ROG	LDT1	Elec	0	0	0	0	0	0	0
2035	ROG	LDT1	Gas	9.36524E-05	6.0058E-05	4.016E-05	2.822E-05	2.092E-05	1.639E-05	1.35E-05
2035	ROG	LDT2	Dsl	0.000580892	0.00043479	0.0002125	8.282E-05	4.98E-05	3.764E-05	2.995E-05
2035	ROG	LDT2	Gas	9.28884E-05	5.9196E-05	3.935E-05	2.75E-05	2.03E-05	1.585E-05	1.303E-05
2035	ROG	LHDT1	Dsl	0.001701158	0.00126086	0.0006559	0.0003006	0.0001988	0.000156	0.0001289
2035	ROG	LHDT1	Gas	0.000144741	9.1094E-05	6.058E-05	4.232E-05	3.106E-05	2.421E-05	1.971E-05
2035	ROG	LHDT2	Dsl	0.001642554	0.0012278	0.0006053	0.0002418	0.0001478	0.0001125	9.014E-05
2035	ROG	LHDT2	Gas	5.60707E-05	3.5288E-05	2.347E-05	1.64E-05	1.203E-05	9.379E-06	7.636E-06
2035	ROG	MCY	Gas	0.027884181	0.01803925	0.0123237	0.0088837	0.0067488	0.0053977	0.0045409
2035	ROG	MDV	Dsl	0.000231614	0.00017336	8.473E-05	3.304E-05	1.987E-05	1.502E-05	1.196E-05
2035	ROG	MDV	Gas	0.000145007	9.2918E-05	6.208E-05	4.36E-05	3.231E-05	2.53E-05	2.084E-05
2035	ROG	MH	Dsl	0.001822224	0.00136596	0.0006727	0.0002717	0.0001721	0.0001332	0.0001072
2035	ROG	MH	Gas	0.000233821	0.00014704	9.8E-05	6.863E-05	5.073E-05	3.945E-05	3.239E-05
2035	ROG	MHDT	Dsl	0.00053128	0.00042997	0.000302	0.0002179	0.0001597	0.0001177	8.678E-05
2035	ROG	MHDT	Gas	0.000192082	0.00012079	8.05E-05	5.638E-05	#DIV/0!	#DIV/0!	#DIV/0!
2035	ROG	OBUS	Dsl	0.000826134	0.00066831	0.0004612	0.0003344	0.0002437	0.0001819	0.0001353
2035	ROG	OBUS	Gas	0.00017821	0.00011207	7.469E-05	5.231E-05	3.866E-05	3.007E-05	2.469E-05
2035	ROG	SBUS	Dsl	0.000618575	0.00049875	0.0003456	0.0002465	0.000181	0.0001341	9.948E-05
2035	ROG	SBUS	Gas	0.000126769	7.9949E-05	5.307E-05	3.717E-05	2.745E-05	2.138E-05	1.754E-05
2035	ROG	UBUS	Dsl	0.002460516	0.00185462	0.0009373	0.0004126	0.0002864	0.000225	0.0001791
2035	ROG	UBUS	Gas	0.000649508	0.00040868	0.0002714	0.0001899	0.0001414	0.00011	9.021E-05

40	45	50	55	60	65	70
9.878E-05	5.348E-05	2.43E-05	1.299E-05	1.287E-05	1.287E-05	#DIV/0!
0.0007063	0.0006575	0.0006439	0.0006639	0.0007188	0.0008183	#DIV/0!
4.3E-06	4.045E-06	3.977E-06	4.089E-06	4.421E-06	5.016E-06	5.43103E-06
0	0	0	0	0	0	0
1.872E-05	1.72E-05	1.665E-05	1.688E-05	1.794E-05	2.035E-05	2.14438E-05
1.379E-05	1.317E-05	1.316E-05	1.376E-05	1.506E-05	1.726E-05	1.87943E-05
0	0	0	0	0	0	0
4.933E-05	4.546E-05	4.392E-05	4.429E-05	4.671E-05	5.219E-05	5.50896E-05
2.279E-06	2.073E-06	1.962E-06	1.935E-06	2.025E-06	2.236E-06	2.38358E-06
2.375E-05	2.179E-05	2.104E-05	2.127E-05	2.252E-05	2.542E-05	2.67333E-05
1.395E-05	1.327E-05	1.32E-05	1.374E-05	#DIV/0!	#DIV/0!	#DIV/0!
5.452E-05	5.147E-05	5.167E-05	5.185E-05	#DIV/0!	#DIV/0!	#DIV/0!
1.161E-05	1.098E-05	1.085E-05	1.122E-05	#DIV/0!	#DIV/0!	#DIV/0!
4.782E-05	4.531E-05	4.56E-05	4.593E-05	#DIV/0!	#DIV/0!	#DIV/0!
0.0007218	0.0006778	0.0006667	0.0006892	0.0007523	0.0008545	0.000948513
1.748E-06	1.589E-06	1.503E-06	1.482E-06	1.549E-06	1.71E-06	1.82263E-06
4.042E-05	3.706E-05	3.578E-05	3.617E-05	3.826E-05	4.321E-05	4.5392E-05
9.218E-06	8.193E-06	7.78E-06	7.973E-06	8.789E-06	1.022E-05	#DIV/0!
0.0001457	0.0001376	0.0001354	0.0001403	0.0001529	0.0001759	#DIV/0!
2.301E-05	2E-05	1.847E-05	1.834E-05	1.881E-05	1.881E-05	#DIV/0!
0.0001534	0.0001426	0.0001386	0.0001422	0.000154	0.0001764	#DIV/0!
1.739E-05	1.375E-05	1.247E-05	1.195E-05	1.179E-05	1.135E-05	#DIV/0!
8.052E-05	7.405E-05	7.128E-05	7.255E-05	7.816E-05	8.931E-05	#DIV/0!
1.124E-05	9.849E-06	9.211E-06	9.289E-06	9.6E-06	#DIV/0!	#DIV/0!
0.000322	0.0002944	0.000285	0.0002865	0.0003087	#DIV/0!	#DIV/0!
0.0028759	0.0025471	0.0024803	0.0026726	0.0031301	0.0038492	#DIV/0!
0.0001607	0.0001496	0.0001446	0.0001479	0.0001599	0.0001835	#DIV/0!
0.0018187	0.001499	0.0012837	0.0011536	0.0011111	0.0011111	#DIV/0!
0.1592859	0.1580525	0.1612663	0.1713863	0.1927042	0.2281136	#DIV/0!
0.0007141	0.0006892	0.0007002	0.0007503	0.0008578	0.0010415	0.001170137
0	0	0	0	0	0	0
0.0027759	0.0026075	0.0024816	0.0023785	0.0023079	0.002339	0.002294844
0.0020677	0.0021027	0.0022521	0.0025409	0.0030214	0.0037855	0.004320369
0	0	0	0	0	0	0
0.0067104	0.006397	0.0062347	0.0061993	0.006348	0.0068407	0.007098789
0.0003389	0.0003169	0.000311	0.0003211	0.0003559	0.000421	0.000466627
0.0035251	0.003307	0.0031413	0.0030032	0.0029033	0.002923	0.002860602
0.0015935	0.0016163	0.001727	0.001944	#DIV/0!	#DIV/0!	#DIV/0!
0.0040462	0.0039398	0.0039827	0.004036	#DIV/0!	#DIV/0!	#DIV/0!
0.0012976	0.0013086	0.0013903	0.0015568	#DIV/0!	#DIV/0!	#DIV/0!
0.003347	0.0032891	0.0033726	0.0034602	#DIV/0!	#DIV/0!	#DIV/0!
0.0464635	0.04637	0.0480755	0.0521425	0.0599612	0.0720032	0.0829278
0.0004042	0.0003637	0.000341	0.000334	0.0003531	0.0003999	0.000432734
0.0050843	0.0047827	0.0045622	0.0043896	0.0042857	0.004371	0.004326255
0.0010911	0.0009729	0.0008981	0.0008661	0.000878	0.0009333	#DIV/0!
0.0188373	0.0187888	0.0197278	0.0217104	0.024963	0.0300867	#DIV/0!
0.0016992	0.0015271	0.0014228	0.0013828	0.0013853	0.0013853	#DIV/0!
0.0149782	0.0144339	0.0143179	0.0146909	0.0156287	0.0173593	#DIV/0!
0.0013023	0.0010384	0.0009462	0.0008855	0.0008368	0.0007849	#DIV/0!
0.0071649	0.0067246	0.0063427	0.0060731	0.0059222	0.0059185	#DIV/0!
0.0008042	0.0006833	0.0005979	0.0005462	0.0005321	#DIV/0!	#DIV/0!
0.0295959	0.0274469	0.0256102	0.0235981	0.0221436	#DIV/0!	#DIV/0!
0.0147296	0.0128878	0.0116728	0.011071	0.0111108	0.0117763	#DIV/0!
0.0101052	0.0095034	0.0089542	0.0085816	0.0083971	0.0084683	#DIV/0!
3.9266216	3.673345	3.4568105	3.3244683	3.2896026	3.2896026	#DIV/0!
3.961385	3.8742615	3.8261486	3.7541059	3.7015681	3.691473	#DIV/0!
0.5932484	0.5730324	0.5744911	0.6011597	0.6517293	0.7326756	0.79117381
0	0	0	0	0	0	0
0.6263798	0.6029784	0.603498	0.6252211	0.6697444	0.7532056	0.790406188
0.7515987	0.7246687	0.7258725	0.7589589	0.8221078	0.9234121	0.996273344
0	0	0	0	0	0	0

0.72611	0.6989662	0.6994552	0.7246709	0.7765512	0.8728342	0.917484463
0.7457673	0.7190462	0.7202407	0.7530704	0.8157294	0.9162477	0.988543622
0.8447014	0.8131351	0.813778	0.8430899	0.9032684	1.0155814	1.06652739
1.0528965	1.0270177	1.0766908	1.1251037	#DIV/0!	#DIV/0!	#DIV/0!
1.5254091	1.5184039	1.6012695	1.6871155	#DIV/0!	#DIV/0!	#DIV/0!
1.1826599	1.1368266	1.1786978	1.220009	#DIV/0!	#DIV/0!	#DIV/0!
1.6875294	1.6477585	1.7178443	1.7960568	#DIV/0!	#DIV/0!	#DIV/0!
0.316963	0.3050311	0.304674	0.3158516	0.3398488	0.3795287	0.40670845
0.9732281	0.9365915	0.9412848	0.9933842	1.0756352	1.2077876	1.300203504
1.0966605	1.0556745	1.0564811	1.0945446	1.1727396	1.3184383	1.384957584
2.1699685	2.0930366	2.042835	2.0193639	2.0226233	2.0526131	#DIV/0!
2.4840102	2.3080199	2.1590449	2.0995356	2.1125796	2.1517419	#DIV/0!
2.5274964	2.4327713	2.3593369	2.3081465	2.2892279	2.2892279	#DIV/0!
2.482079	2.3062256	2.1573664	2.0979033	2.1109372	2.1500691	#DIV/0!
3.0804737	2.8914877	2.8951253	2.8819375	2.81083	2.7088625	#DIV/0!
2.4774641	2.3019376	2.1533552	2.0940026	2.1070123	2.1460714	#DIV/0!
2.5151394	2.4237643	2.3585592	2.318535	2.3069943	#DIV/0!	#DIV/0!
1.1716252	1.0886164	1.0183499	0.9902813	0.9964337	#DIV/0!	#DIV/0!
3.5310269	3.4058413	3.3241521	3.2859594	3.2912631	3.3400632	#DIV/0!
2.4835189	2.3075634	2.1586179	2.0991203	2.1121618	2.1513164	#DIV/0!
0.3533959	0.3306011	0.3111129	0.2992021	0.2960642	0.2960642	#DIV/0!
0.4498899	0.4403308	0.4357295	0.4297984	0.4279055	0.4329829	#DIV/0!
0.0533924	0.0515729	0.0517042	0.0541044	0.0586556	0.0659408	0.071205643
0	0	0	0	0	0	0
0.0671812	0.0646596	0.0646932	0.0669893	0.0717196	0.0806144	0.084569754
0.0676439	0.0652202	0.0653285	0.0683063	0.0739897	0.0831071	0.089664601
0	0	0	0	0	0	0
0.0785126	0.0755647	0.0755878	0.0782681	0.0838221	0.0941658	0.098970083
0.0671191	0.0647142	0.0648217	0.0677763	0.0734156	0.0824623	0.088968926
0.090557	0.0871572	0.0871971	0.0902953	0.0966877	0.108653	0.114069051
0.0947607	0.0924316	0.0969022	0.1012593	#DIV/0!	#DIV/0!	#DIV/0!
0.1631514	0.1623841	0.1712141	0.1803636	#DIV/0!	#DIV/0!	#DIV/0!
0.1064394	0.1023144	0.1060828	0.1098008	#DIV/0!	#DIV/0!	#DIV/0!
0.1802861	0.1760391	0.1835154	0.1918578	#DIV/0!	#DIV/0!	#DIV/0!
0.0433395	0.0419488	0.0421724	0.0441035	0.0481314	0.054631	0.059601311
0.0875905	0.0842932	0.0847156	0.0894046	0.0968072	0.1087009	0.117018315
0.1176645	0.1132462	0.1132937	0.1173182	0.1256293	0.1411627	0.148241094
0.1952972	0.1883733	0.1838552	0.1817428	0.1820361	0.1847352	#DIV/0!
0.2678737	0.2491144	0.2334094	0.2274155	0.2293706	0.2344346	#DIV/0!
0.2274747	0.2189494	0.2123403	0.2077332	0.2060305	0.2060305	#DIV/0!
0.2669853	0.248157	0.2322848	0.2260225	0.2275841	0.2320705	#DIV/0!
0.2772426	0.2602339	0.2605613	0.2593744	0.2529747	0.2437976	#DIV/0!
0.2650701	0.2463006	0.2304141	0.2240515	0.2254181	0.2295894	#DIV/0!
0.2263625	0.2181388	0.2122703	0.2086682	0.2076295	#DIV/0!	#DIV/0!
0.1300574	0.1208288	0.1130296	0.1097062	0.1101429	#DIV/0!	#DIV/0!
0.3177924	0.3065257	0.2991737	0.2957363	0.2962137	0.3006057	#DIV/0!
0.2662946	0.2474472	0.2314916	0.2250984	0.2264699	0.2306775	#DIV/0!
0.0152899	0.0145315	0.0139467	0.0136021	0.0135539	0.0135563	#DIV/0!
0.0127535	0.0128633	0.012984	0.0131436	0.0136086	0.0141595	#DIV/0!
0.0007581	0.0007843	0.0008112	0.0008391	0.0008694	0.0008991	0.000917654
0.0480007	0.0471653	0.0469106	0.0474258	0.0490785	0.0510389	0.053849691
1.222E-06	1.273E-06	1.324E-06	1.376E-06	1.429E-06	1.48E-06	1.51124E-06
0.1436283	0.1429584	0.1442827	0.1483803	0.1566441	0.1664207	0.178308893
0.0008461	0.0008635	0.0008834	0.0009057	0.0009335	0.000963	0.00098178
0.0016499	0.0016195	0.0016121	0.0016349	0.0017017	0.0017839	0.001893729
0.1885736	0.4274867	1.6791781	0.6704969	0	0	0
8.734E-06	2.111E-05	0.0001477	2.741E-05	0	0	0
0.0030163	0.0031333	0.0032522	0.003391	#DIV/0!	#DIV/0!	#DIV/0!
0.0001328	0.0001295	0.0001257	0.0001337	#DIV/0!	#DIV/0!	#DIV/0!
0.0168486	0.0078313	0.0021047	0.0056318	#DIV/0!	#DIV/0!	#DIV/0!
0.001282	0.0005211	7.314E-05	0.0004262	#DIV/0!	#DIV/0!	#DIV/0!
0.014831	0.0145874	0.0145603	0.0148173	0.0154881	0.0163217	0.017378814
0.0018638	0.0030142	0.0032758	0.0030608	0.0038212	0.0052137	0

1.228E-05	2.256E-05	2.201E-05	1.88E-05	2.277E-05	3.073E-05	0
0.7166351	0.6936845	0.681666	0.6784181	0.6793941	0.6775457	#DIV/0!
0.0087003	0.0085098	0.0085715	0.0087112	0.0088856	0.0090679	#DIV/0!
0.0009691	0.000832	0.0009717	0.0010932	0.0010076	0.0008274	#DIV/0!
0.0006635	0.0006435	0.0006435	0.0006508	0.0006622	0.0006761	#DIV/0!
0.0092009	0.0058206	0.0022704	0.0021003	0.0010397	0	#DIV/0!
0.0005426	0.0002778	0.0001405	0.0001642	8.034E-05	0	#DIV/0!
0.0142674	0.0246768	0.0465032	0.0533837	0.1481172	#DIV/0!	#DIV/0!
0.0023954	0.0040679	0.0076914	0.0088474	0.0245755	#DIV/0!	#DIV/0!
0.0001549	0.0001565	0.0001658	0.0001818	0.0001915	0.0001915	#DIV/0!
8.891E-06	8.463E-06	8.439E-06	8.813E-06	9.641E-06	1.105E-05	#DIV/0!
6.354E-05	6.062E-05	6.034E-05	6.269E-05	6.816E-05	7.754E-05	8.40784E-05
0	0	0	0	0	0	0
3.394E-06	3.115E-06	3.01E-06	3.061E-06	3.278E-06	3.697E-06	4.00289E-06
0.0002025	0.0001937	0.0001938	0.0002028	0.0002222	0.0002547	0.000277356
0	0	0	0	0	0	0
7.54E-06	6.943E-06	6.704E-06	6.789E-06	7.216E-06	8.052E-06	8.66414E-06
2.709E-05	2.572E-05	2.535E-05	2.595E-05	2.779E-05	3.112E-05	3.34343E-05
3.239E-06	2.972E-06	2.87E-06	2.915E-06	3.117E-06	3.509E-06	3.79542E-06
6.931E-05	6.617E-05	6.596E-05	6.868E-05	#DIV/0!	#DIV/0!	#DIV/0!
3.178E-06	2.935E-06	2.855E-06	2.925E-06	#DIV/0!	#DIV/0!	#DIV/0!
5.611E-05	5.346E-05	5.308E-05	5.493E-05	#DIV/0!	#DIV/0!	#DIV/0!
2.579E-06	2.386E-06	2.325E-06	2.385E-06	#DIV/0!	#DIV/0!	#DIV/0!
3.188E-06	3.023E-06	3.005E-06	3.131E-06	3.42E-06	3.914E-06	4.26203E-06
2.416E-05	2.292E-05	2.252E-05	2.297E-05	2.449E-05	2.73E-05	2.92599E-05
3.471E-06	3.187E-06	3.078E-06	3.126E-06	3.339E-06	3.755E-06	4.05892E-06
0.0003014	0.0003077	0.0003312	0.0003718	0.0004296	0.0005046	#DIV/0!
6.542E-06	6.139E-06	6.052E-06	6.266E-06	6.812E-06	7.776E-06	#DIV/0!
0.0003051	0.0003136	0.0003391	0.0003816	0.0004091	0.0004091	#DIV/0!
3.277E-06	3.061E-06	3.006E-06	3.104E-06	3.368E-06	3.84E-06	#DIV/0!
0.0001392	0.0001346	0.0001432	0.0001593	0.0001672	0.0001626	#DIV/0!
1.35E-06	1.243E-06	1.207E-06	1.234E-06	1.33E-06	1.51E-06	#DIV/0!
0.0001455	0.0001383	0.0001391	0.0001479	0.0001552	#DIV/0!	#DIV/0!
5.795E-06	5.302E-06	5.118E-06	5.212E-06	5.6E-06	#DIV/0!	#DIV/0!
0.0002001	0.0001883	0.0001845	0.0001886	0.0002006	0.0002207	#DIV/0!
1.743E-06	1.604E-06	1.557E-06	1.592E-06	1.715E-06	1.948E-06	#DIV/0!
0.0001482	0.0001498	0.0001587	0.000174	0.0001832	0.0001832	#DIV/0!
8.427E-06	8.023E-06	8E-06	8.357E-06	9.142E-06	1.047E-05	#DIV/0!
6.079E-05	5.799E-05	5.773E-05	5.998E-05	6.521E-05	7.419E-05	8.04412E-05
0	0	0	0	0	0	0
3.127E-06	2.871E-06	2.774E-06	2.822E-06	3.022E-06	3.408E-06	3.69039E-06
0.0001937	0.0001853	0.0001854	0.0001941	0.0002126	0.0002437	0.000265357
0	0	0	0	0	0	0
6.969E-06	6.418E-06	6.199E-06	6.279E-06	6.674E-06	7.449E-06	8.01622E-06
2.591E-05	2.461E-05	2.425E-05	2.483E-05	2.659E-05	2.977E-05	3.1988E-05
2.985E-06	2.74E-06	2.645E-06	2.688E-06	2.874E-06	3.235E-06	3.49979E-06
6.632E-05	6.331E-05	6.311E-05	6.571E-05	#DIV/0!	#DIV/0!	#DIV/0!
2.925E-06	2.701E-06	2.628E-06	2.693E-06	#DIV/0!	#DIV/0!	#DIV/0!
5.368E-05	5.115E-05	5.078E-05	5.256E-05	#DIV/0!	#DIV/0!	#DIV/0!
2.372E-06	2.195E-06	2.139E-06	2.195E-06	#DIV/0!	#DIV/0!	#DIV/0!
3.016E-06	2.86E-06	2.843E-06	2.963E-06	3.236E-06	3.704E-06	4.03312E-06
2.312E-05	2.192E-05	2.155E-05	2.198E-05	2.343E-05	2.612E-05	2.79941E-05
3.2E-06	2.938E-06	2.838E-06	2.882E-06	3.079E-06	3.463E-06	3.74314E-06
0.0002884	0.0002944	0.0003169	0.0003557	0.000411	0.0004828	#DIV/0!
6.089E-06	5.716E-06	5.636E-06	5.836E-06	6.345E-06	7.244E-06	#DIV/0!
0.0002919	0.0003	0.0003244	0.0003651	0.0003914	0.0003914	#DIV/0!
3.047E-06	2.848E-06	2.797E-06	2.889E-06	3.134E-06	3.574E-06	#DIV/0!
0.0001331	0.0001288	0.000137	0.0001524	0.0001599	0.0001556	#DIV/0!
1.246E-06	1.147E-06	1.114E-06	1.139E-06	1.228E-06	1.394E-06	#DIV/0!
0.0001392	0.0001323	0.0001331	0.0001415	0.0001485	#DIV/0!	#DIV/0!
5.328E-06	4.875E-06	4.706E-06	4.793E-06	5.149E-06	#DIV/0!	#DIV/0!
0.0001914	0.0001802	0.0001765	0.0001804	0.000192	0.0002111	#DIV/0!
1.604E-06	1.477E-06	1.433E-06	1.465E-06	1.579E-06	1.793E-06	#DIV/0!

0.0004169	0.0003462	0.000302	0.0002796	0.000277	0.000277	#DIV/0!
0.0038453	0.0036572	0.0036198	0.0037427	0.0041029	0.0047086	#DIV/0!
9.257E-05	8.708E-05	8.562E-05	8.804E-05	9.518E-05	0.000108	0.000116927
0	0	0	0	0	0	0
6.203E-05	5.76E-05	5.621E-05	5.746E-05	6.168E-05	7.006E-05	7.51189E-05
0.0002969	0.0002835	0.0002833	0.0002962	0.0003243	0.0003716	0.000404631
0	0	0	0	0	0	0
0.0002009	0.000188	0.000184	0.0001883	0.0002024	0.0002279	0.000247358
4.906E-05	4.463E-05	4.225E-05	4.166E-05	4.36E-05	4.815E-05	5.13171E-05
7.456E-05	6.904E-05	6.715E-05	6.84E-05	7.31E-05	8.269E-05	8.83863E-05
0.0003003	0.0002856	0.0002841	0.0002957	#DIV/0!	#DIV/0!	#DIV/0!
0.0001434	0.0001352	0.0001353	0.0001368	#DIV/0!	#DIV/0!	#DIV/0!
0.00025	0.0002364	0.0002337	0.0002416	#DIV/0!	#DIV/0!	#DIV/0!
0.0001214	0.000115	0.0001156	0.0001168	#DIV/0!	#DIV/0!	#DIV/0!
0.0049086	0.0046287	0.0045661	0.0047312	0.0051783	0.0058815	0.006557443
3.762E-05	3.421E-05	3.237E-05	3.19E-05	3.336E-05	3.682E-05	3.92401E-05
0.0001214	0.0001122	0.000109	0.0001108	0.0001182	0.0001337	0.00014246
0.0001985	0.0001764	0.0001675	0.0001717	0.0001892	0.00022	#DIV/0!
0.0006255	0.000592	0.0005919	0.0006189	0.0006748	0.0007666	#DIV/0!
0.0004955	0.0004307	0.0003976	0.0003949	0.000405	0.000405	#DIV/0!
0.0005025	0.0004697	0.0004622	0.000478	0.0005185	0.0005903	#DIV/0!
0.0003744	0.0002959	0.0002684	0.0002574	0.0002537	0.0002443	#DIV/0!
0.0002149	0.0001982	0.0001916	0.0001956	0.000211	0.0002406	#DIV/0!
0.0002419	0.000212	0.0001983	0.0002	0.0002067	#DIV/0!	#DIV/0!
0.0007969	0.0007286	0.0007053	0.000709	0.0007639	#DIV/0!	#DIV/0!
0.0007315	0.0006546	0.0006356	0.0006745	0.0007714	0.0009262	#DIV/0!
0.0004057	0.0003777	0.0003657	0.0003743	0.0004048	0.0004643	#DIV/0!
8.129E-05	3.782E-05	1.192E-05	2.61E-06	2.254E-06	2.254E-06	#DIV/0!
3.944E-07	3.351E-07	2.91E-07	2.573E-07	2.441E-07	2.459E-07	2.47118E-07
0	0	0	0	0	0	0
3.313E-06	3.031E-06	2.935E-06	2.987E-06	3.17E-06	3.631E-06	3.83129E-06
2.698E-06	2.477E-06	2.37E-06	2.366E-06	2.5E-06	2.784E-06	2.98136E-06
0	0	0	0	0	0	0
4.725E-06	4.319E-06	4.171E-06	4.228E-06	4.465E-06	5.081E-06	5.34766E-06
1.148E-06	9.73E-07	8.421E-07	7.412E-07	6.998E-07	7.015E-07	7.02675E-07
4.557E-06	4.169E-06	4.035E-06	4.104E-06	4.354E-06	4.983E-06	5.25829E-06
5.162E-06	4.623E-06	4.295E-06	4.144E-06	#DIV/0!	#DIV/0!	#DIV/0!
6.835E-06	6.3E-06	6.184E-06	6.147E-06	#DIV/0!	#DIV/0!	#DIV/0!
3.484E-06	2.985E-06	2.623E-06	2.356E-06	#DIV/0!	#DIV/0!	#DIV/0!
2.648E-06	2.44E-06	2.395E-06	2.381E-06	#DIV/0!	#DIV/0!	#DIV/0!
0.0008555	0.000797	0.0007795	0.0008018	0.0008727	0.0009901	0.001087408
4.583E-07	3.885E-07	3.363E-07	2.962E-07	2.797E-07	2.805E-07	2.81084E-07
7.291E-06	6.665E-06	6.438E-06	6.529E-06	6.899E-06	7.857E-06	8.27103E-06
4.14E-06	3.558E-06	3.173E-06	2.951E-06	2.964E-06	3.171E-06	#DIV/0!
1.134E-05	1.04E-05	9.977E-06	1.013E-05	1.09E-05	1.244E-05	#DIV/0!
2.972E-06	2.193E-06	1.62E-06	1.198E-06	1.032E-06	1.032E-06	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4.771E-06	3.383E-06	2.637E-06	2.011E-06	1.693E-06	1.598E-06	#DIV/0!
8.644E-06	7.924E-06	7.604E-06	7.722E-06	8.306E-06	9.482E-06	#DIV/0!
3.432E-06	2.554E-06	1.905E-06	1.428E-06	1.239E-06	#DIV/0!	#DIV/0!
6.139E-06	5.613E-06	5.433E-06	5.461E-06	5.885E-06	#DIV/0!	#DIV/0!
0.0013522	0.0011738	0.0010881	0.001087	0.0011877	0.0013805	#DIV/0!
3.159E-05	2.896E-05	2.775E-05	2.816E-05	3.024E-05	3.448E-05	#DIV/0!
0.001028	0.0006931	0.0004652	0.0003264	0.0002811	0.0002811	#DIV/0!
0.0002516	0.0002134	0.0001848	0.0001629	0.0001542	0.000155	0.000155622
0	0	0	0	0	0	0
0.0007747	0.0007194	0.000673	0.0006278	0.0005789	0.0005531	0.000515099
0.0005661	0.0005412	0.0005442	0.0005769	0.0006539	0.0007883	0.000882377
0	0	0	0	0	0	0
0.000941	0.0008741	0.0008183	0.0007643	0.0007066	0.0006765	0.000631973
0.0002497	0.0002117	0.0001833	0.0001615	0.0001527	0.0001534	0.000153899
0.0010249	0.0009518	0.0008903	0.0008305	0.0007663	0.0007319	0.000682442
0.0005627	0.0005249	0.0005136	0.0005287	#DIV/0!	#DIV/0!	#DIV/0!

0.0006257	0.0005847	0.0005531	0.0005041	#DIV/0!	#DIV/0!	#DIV/0!
0.0003434	0.0002981	0.0002667	0.0002459	#DIV/0!	#DIV/0!	#DIV/0!
0.0002785	0.0002603	0.0002462	0.0002244	#DIV/0!	#DIV/0!	#DIV/0!
0.0348529	0.0341148	0.0344227	0.0360456	0.0399759	0.0460245	0.051467387
0.0002851	0.0002415	0.0002089	0.0001838	0.0001734	0.0001739	0.000174148
0.0013202	0.0012262	0.0011475	0.0010714	0.0009898	0.0009467	0.000883813
0.0003334	0.0002939	0.0002672	0.0002511	0.00025	0.0002614	#DIV/0!
0.0008199	0.0007622	0.0007053	0.0006563	0.0006148	0.0005808	#DIV/0!
0.0003351	0.0002472	0.0001824	0.0001347	0.0001158	0.0001158	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.0005836	0.0004111	0.0003235	0.0002481	0.0002082	0.0001946	#DIV/0!
0.0005961	0.0005542	0.0005128	0.0004772	0.000447	0.0004223	#DIV/0!
0.0003386	0.0002528	0.0001898	0.0001437	0.0001256	#DIV/0!	#DIV/0!
0.000396	0.0003672	0.0003426	0.0003157	0.0002963	#DIV/0!	#DIV/0!
0.0061017	0.0052492	0.0046545	0.0042781	0.0042023	0.004381	#DIV/0!
0.002657	0.0024704	0.0022822	0.0021221	0.0019849	0.0018727	#DIV/0!
3.366888	3.1749261	3.0056185	2.8921698	2.8560643	2.8560643	#DIV/0!
0.3709203	0.3582805	0.3591926	0.3758667	0.4074847	0.4580952	0.49467041
0	0	0	0	0	0	0
0.3852549	0.3707865	0.3712632	0.3849345	0.411227	0.4629795	0.48695746
0.4791261	0.4619588	0.4627262	0.483818	0.5240739	0.5886529	0.635100237
0	0	0	0	0	0	0
0.4246548	0.4087055	0.4091977	0.424264	0.4533506	0.510267	0.53702824
0.4669925	0.45026	0.4510079	0.4715655	0.510802	0.5737456	0.619016662
0.488326	0.4699853	0.4705508	0.4878761	0.5213251	0.5867738	0.617551605
0.935878	0.9128753	0.9570278	1.0000601	#DIV/0!	#DIV/0!	#DIV/0!
1.4291651	1.422602	1.5002392	1.5806688	#DIV/0!	#DIV/0!	#DIV/0!
1.0309586	0.9910045	1.0275048	1.063517	#DIV/0!	#DIV/0!	#DIV/0!
1.5495372	1.5130184	1.5773732	1.6491901	#DIV/0!	#DIV/0!	#DIV/0!
0.3362402	0.3235826	0.3232037	0.3350611	0.3605179	0.402611	0.431443774
0.6123183	0.5892679	0.5922207	0.6249997	0.676749	0.7598942	0.818038799
0.6539672	0.629405	0.6301554	0.6533567	0.6981738	0.7857958	0.827082851
2.061405	1.988322	1.940632	1.9183352	1.9214315	1.9499209	#DIV/0!
2.3278889	2.1629598	2.0233479	1.9675787	1.979803	2.0165039	#DIV/0!
2.4329019	2.3487799	2.2762448	2.2151436	2.1873346	2.1873346	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2.9704155	2.8118273	2.8120725	2.7889486	2.7244995	2.6393316	#DIV/0!
2.3068229	2.1433862	2.0050378	1.9497733	1.9618869	1.9982557	#DIV/0!
2.4541389	2.3703493	2.2985842	2.2362392	2.2080038	#DIV/0!	#DIV/0!
1.098977	1.0211154	0.9552057	0.9288776	0.9346485	#DIV/0!	#DIV/0!
3.0497231	2.9416012	2.8710468	2.83806	2.8426408	2.8847891	#DIV/0!
2.3369967	2.1714223	2.0312642	1.9752768	1.9875489	2.0243934	#DIV/0!
0.3030199	0.2857433	0.2705057	0.2602953	0.2570458	0.2570458	#DIV/0!
0.0333828	0.0322452	0.0323273	0.033828	0.0366736	0.0412286	0.044520337
0	0	0	0	0	0	0
0.0411514	0.0396014	0.0396443	0.0410924	0.0438838	0.0493901	0.051936858
0.0431213	0.0415763	0.0416454	0.0435436	0.0471667	0.0529788	0.057159021
0	0	0	0	0	0	0
0.0453758	0.043666	0.0437089	0.045304	0.0483915	0.054447	0.057289156
0.0420293	0.0405234	0.0405907	0.0424409	0.0459722	0.0516371	0.0557115
0.0521687	0.0502033	0.0502531	0.0520877	0.0556386	0.0626019	0.065870822
0.084229	0.0821588	0.0861325	0.0900054	#DIV/0!	#DIV/0!	#DIV/0!
0.1522756	0.1515694	0.15983	0.1683851	#DIV/0!	#DIV/0!	#DIV/0!
0.0927863	0.0891904	0.0924754	0.0957165	#DIV/0!	#DIV/0!	#DIV/0!
0.1650288	0.1611374	0.1679868	0.1756295	#DIV/0!	#DIV/0!	#DIV/0!
0.0432086	0.0416305	0.04161	0.0431856	0.0466854	0.0523958	0.05655721
0.0551086	0.0530341	0.0532999	0.05625	0.0609074	0.0683905	0.073623492
0.069857	0.0672254	0.0672919	0.0697495	0.0745079	0.0838309	0.088216699
0.1855265	0.178949	0.1746569	0.1726502	0.1729288	0.1754929	#DIV/0!
0.2480003	0.2304296	0.2155551	0.2096093	0.2109048	0.2148084	#DIV/0!
0.2189612	0.2113902	0.204862	0.1993629	0.1968601	0.1968601	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.2673374	0.2530645	0.2530865	0.2510054	0.245205	0.2375398	#DIV/0!

0.2457169	0.228308	0.2135707	0.2076809	0.2089662	0.2128356	#DIV/0!
0.2208725	0.2133314	0.2068726	0.2012615	0.1987203	#DIV/0!	#DIV/0!
0.1170813	0.1087859	0.1017642	0.0989566	0.0995682	#DIV/0!	#DIV/0!
0.2744751	0.2647441	0.2583942	0.2554254	0.2558377	0.259631	#DIV/0!
0.2493002	0.2316373	0.2166818	0.2106945	0.2119805	0.2158893	#DIV/0!
0.0019917	0.0015845	0.0012963	0.0010958	0.0010251	0.0010253	#DIV/0!
2.321E-05	2.155E-05	2.029E-05	1.931E-05	1.902E-05	1.916E-05	1.93115E-05
0	0	0	0	0	0	0
5.217E-05	5.077E-05	5E-05	5.002E-05	5.154E-05	5.304E-05	5.54185E-05
0.0006823	0.0007045	0.0007276	0.0007515	0.0007785	0.0008046	0.000820772
0	0	0	0	0	0	0
6.872E-05	6.697E-05	6.613E-05	6.642E-05	6.881E-05	7.127E-05	7.48235E-05
6.185E-05	5.633E-05	5.203E-05	4.86E-05	4.727E-05	4.732E-05	4.75317E-05
6.995E-05	6.811E-05	6.713E-05	6.725E-05	6.943E-05	7.16E-05	7.49533E-05
0.0020063	0.0020716	0.00214	0.0022229	#DIV/0!	#DIV/0!	#DIV/0!
0.0002831	0.0002711	0.0002595	0.0002728	#DIV/0!	#DIV/0!	#DIV/0!
0.0003822	0.0003823	0.000385	0.0003915	#DIV/0!	#DIV/0!	#DIV/0!
9.67E-05	9.26E-05	8.864E-05	9.318E-05	#DIV/0!	#DIV/0!	#DIV/0!
0.0024155	0.0024068	0.0024146	0.0024488	0.0025392	0.0026062	0.002722959
2.481E-05	2.274E-05	2.115E-05	1.988E-05	1.942E-05	1.949E-05	1.96008E-05
0.0001112	0.0001085	0.0001074	0.0001082	0.0001126	0.0001172	0.000123443
0.0052978	0.0049075	0.0046263	0.0044199	0.0043519	0.0043842	#DIV/0!
0.0003504	0.0003392	0.0003386	0.0003421	0.0003479	0.0003552	#DIV/0!
0.0010258	0.0007909	0.0006346	0.0005252	0.0004824	0.0004811	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.0013558	0.0010058	0.0007951	0.0006393	0.0005735	0.000567	#DIV/0!
0.0002388	0.0002311	0.0002307	0.000233	0.000237	0.000242	#DIV/0!
0.0017091	0.0014735	0.0013102	0.0011984	0.0011529	#DIV/0!	#DIV/0!
0.0001932	0.0001881	0.0001848	0.0001898	0.0001925	#DIV/0!	#DIV/0!
0.0056301	0.0055984	0.0056198	0.0056765	0.0057709	0.0058969	#DIV/0!
0.0011682	0.0011307	0.0011325	0.0011449	0.0011675	0.0011957	#DIV/0!
1.177E-05	1.114E-05	1.065E-05	1.029E-05	1.015E-05	1.015E-05	#DIV/0!
2.376E-06	2.208E-06	2.074E-06	1.968E-06	1.932E-06	1.956E-06	1.97256E-06
0	0	0	0	0	0	0
1.805E-06	1.652E-06	1.594E-06	1.623E-06	1.744E-06	1.976E-06	2.14577E-06
3.105E-05	2.948E-05	2.906E-05	2.975E-05	3.185E-05	3.567E-05	3.83257E-05
0	0	0	0	0	0	0
1.943E-06	1.777E-06	1.714E-06	1.744E-06	1.871E-06	2.117E-06	2.29764E-06
9.036E-06	8.383E-06	7.849E-06	7.404E-06	7.218E-06	7.241E-06	7.25739E-06
1.845E-06	1.688E-06	1.629E-06	1.659E-06	1.782E-06	2.018E-06	2.19198E-06
2.3E-05	2.161E-05	2.083E-05	2.06E-05	#DIV/0!	#DIV/0!	#DIV/0!
2.007E-06	1.836E-06	1.772E-06	1.805E-06	#DIV/0!	#DIV/0!	#DIV/0!
1.752E-05	1.629E-05	1.533E-05	1.458E-05	#DIV/0!	#DIV/0!	#DIV/0!
2E-06	1.83E-06	1.766E-06	1.799E-06	#DIV/0!	#DIV/0!	#DIV/0!
4.048E-06	3.759E-06	3.673E-06	3.778E-06	4.087E-06	4.652E-06	5.05845E-06
2.98E-06	2.765E-06	2.59E-06	2.445E-06	2.386E-06	2.396E-06	2.40387E-06
1.963E-06	1.796E-06	1.733E-06	1.763E-06	1.892E-06	2.141E-06	2.32436E-06
7.234E-05	7.285E-05	7.63E-05	8.26E-05	9.227E-05	0.0001052	#DIV/0!
2.022E-06	1.85E-06	1.786E-06	1.819E-06	1.954E-06	2.214E-06	#DIV/0!
6.717E-06	6.32E-06	5.986E-06	5.708E-06	5.588E-06	5.588E-06	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8.915E-06	8.188E-06	7.949E-06	7.649E-06	7.357E-06	7.124E-06	#DIV/0!
2.018E-06	1.847E-06	1.783E-06	1.815E-06	1.95E-06	2.21E-06	#DIV/0!
1.183E-05	1.149E-05	1.13E-05	1.125E-05	1.127E-05	#DIV/0!	#DIV/0!
1.862E-06	1.704E-06	1.645E-06	1.675E-06	1.799E-06	#DIV/0!	#DIV/0!
1.547E-05	1.476E-05	1.546E-05	1.757E-05	2.113E-05	2.612E-05	#DIV/0!
1.883E-06	1.723E-06	1.663E-06	1.693E-06	1.819E-06	2.062E-06	#DIV/0!
1.126E-05	1.066E-05	1.019E-05	9.843E-06	9.71E-06	9.71E-06	#DIV/0!
2.273E-06	2.112E-06	1.984E-06	1.883E-06	1.848E-06	1.871E-06	1.88723E-06
0	0	0	0	0	0	0
1.66E-06	1.519E-06	1.466E-06	1.493E-06	1.603E-06	1.817E-06	1.97296E-06
2.971E-05	2.821E-05	2.78E-05	2.846E-05	3.048E-05	3.412E-05	3.66677E-05
0	0	0	0	0	0	0



1.786E-06	1.634E-06	1.576E-06	1.603E-06	1.72E-06	1.947E-06	2.1126E-06
8.645E-06	8.021E-06	7.509E-06	7.084E-06	6.905E-06	6.928E-06	6.94343E-06
1.696E-06	1.552E-06	1.498E-06	1.525E-06	1.638E-06	1.856E-06	2.01545E-06
2.2E-05	2.068E-05	1.993E-05	1.971E-05	#DIV/0!	#DIV/0!	#DIV/0!
1.845E-06	1.688E-06	1.63E-06	1.66E-06	#DIV/0!	#DIV/0!	#DIV/0!
1.676E-05	1.559E-05	1.466E-05	1.395E-05	#DIV/0!	#DIV/0!	#DIV/0!
1.839E-06	1.682E-06	1.624E-06	1.654E-06	#DIV/0!	#DIV/0!	#DIV/0!
3.775E-06	3.506E-06	3.426E-06	3.523E-06	3.812E-06	4.339E-06	4.7177E-06
2.851E-06	2.646E-06	2.478E-06	2.339E-06	2.283E-06	2.293E-06	2.29988E-06
1.805E-06	1.651E-06	1.593E-06	1.621E-06	1.74E-06	1.969E-06	2.13716E-06
6.921E-05	6.97E-05	7.3E-05	7.903E-05	8.828E-05	0.0001006	#DIV/0!
1.859E-06	1.701E-06	1.642E-06	1.672E-06	1.796E-06	2.036E-06	#DIV/0!
6.427E-06	6.046E-06	5.727E-06	5.461E-06	5.346E-06	5.346E-06	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8.529E-06	7.834E-06	7.605E-06	7.318E-06	7.039E-06	6.816E-06	#DIV/0!
1.856E-06	1.698E-06	1.639E-06	1.669E-06	1.793E-06	2.032E-06	#DIV/0!
1.132E-05	1.099E-05	1.081E-05	1.076E-05	1.078E-05	#DIV/0!	#DIV/0!
1.712E-06	1.567E-06	1.512E-06	1.54E-06	1.654E-06	#DIV/0!	#DIV/0!
1.48E-05	1.412E-05	1.479E-05	1.681E-05	2.022E-05	2.499E-05	#DIV/0!
1.731E-06	1.584E-06	1.529E-06	1.557E-06	1.673E-06	1.896E-06	#DIV/0!
0.000134	0.0001003	7.52E-05	5.619E-05	4.854E-05	4.854E-05	#DIV/0!
8.491E-06	7.214E-06	6.265E-06	5.54E-06	5.255E-06	5.293E-06	5.3203E-06
0	0	0	0	0	0	0
8.2E-06	7.502E-06	7.264E-06	7.392E-06	7.845E-06	8.987E-06	9.48149E-06
5.808E-05	5.333E-05	5.103E-05	5.093E-05	5.382E-05	5.993E-05	6.41869E-05
0	0	0	0	0	0	0
1.169E-05	1.069E-05	1.032E-05	1.046E-05	1.105E-05	1.258E-05	1.32342E-05
2.471E-05	2.095E-05	1.813E-05	1.596E-05	1.507E-05	1.51E-05	1.51282E-05
1.128E-05	1.032E-05	9.986E-06	1.016E-05	1.078E-05	1.233E-05	1.3013E-05
0.0001111	9.953E-05	9.248E-05	8.923E-05	#DIV/0!	#DIV/0!	#DIV/0!
1.692E-05	1.559E-05	1.53E-05	1.521E-05	#DIV/0!	#DIV/0!	#DIV/0!
7.5E-05	6.427E-05	5.646E-05	5.073E-05	#DIV/0!	#DIV/0!	#DIV/0!
6.553E-06	6.039E-06	5.928E-06	5.893E-06	#DIV/0!	#DIV/0!	#DIV/0!
0.0040241	0.0037519	0.0036715	0.0037777	0.0041146	0.0046676	0.005129875
9.866E-06	8.364E-06	7.241E-06	6.376E-06	6.022E-06	6.039E-06	6.05157E-06
1.804E-05	1.649E-05	1.593E-05	1.616E-05	1.707E-05	1.944E-05	2.04688E-05
8.913E-05	7.66E-05	6.832E-05	6.353E-05	6.381E-05	6.827E-05	#DIV/0!
2.807E-05	2.573E-05	2.469E-05	2.507E-05	2.697E-05	3.079E-05	#DIV/0!
6.399E-05	4.721E-05	3.487E-05	2.58E-05	2.222E-05	2.222E-05	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.0001027	7.284E-05	5.677E-05	4.33E-05	3.646E-05	3.439E-05	#DIV/0!
2.139E-05	1.961E-05	1.882E-05	1.911E-05	2.056E-05	2.347E-05	#DIV/0!
7.389E-05	5.498E-05	4.102E-05	3.074E-05	2.667E-05	#DIV/0!	#DIV/0!
1.519E-05	1.389E-05	1.344E-05	1.352E-05	1.456E-05	#DIV/0!	#DIV/0!
0.000148	0.0001312	0.0001285	0.0001398	0.0001654	0.0002051	#DIV/0!
7.819E-05	7.168E-05	6.868E-05	6.969E-05	7.484E-05	8.532E-05	#DIV/0!

**SUMMARY OF NET DIFFERENCE OF MOBILE-SOURCE EMISSIONS (2015-2035)**

	CH4 (MT)	CO (lb/day)	CO2 (MT)	NOX (lb/day)	PM10 (lb/d)	PM2.5 (lb/d)	ROG (lb/day)	Fuel (1000 gallons)
2015 Total	0.05	9,494.47	1,043.98	2,975.88	36.34	34.42	396.26	240.75
2035 Total	0.04	5,361.87	1,332.92	1,193.32	14.40	13.38	248.04	301.36
Net Difference	(0.02)	(4,132.59)	288.95	(1,782.55)	(21.94)	(21.05)	(148.22)	60.62

notes:

Mobile-source emissions were calculated using CARB's 2014 EMFAC model independently of CalEEMod.

Emissions were calculated using VMT data by speed bin. These emissions were factored into the total operational emissions presented in Tables 5.3-6 and 5.3-7 on pages 5.3-22 and 5.3-23 of the DEIR

Daily VMT by Speed Bin

		Daily VMT by Speed Bin																
		1,215	6,792	118,677	93,149	167,938	218,642	427,990	626,694	173,376	161,821	290,052	35,531			2,321,878		
		3,595	2,101	423,712	273,508	448,371	723,355	1,233,886	536,586	536,967	232,965	96,572	50,417			4,562,035		
CalYr	Veh & Tech	Fuel	Veh & Fuel Distribution (From EMFAC)															Total VMT
			5MPH	10MPH	15MPH	20MPH	25MPH	30MPH	35MPH	40MPH	45MPH	50MPH	55MPH	60MPH	65MPH			
2015	HHDT	Dsl	1.88%	23	128	2,231	1,751	3,158	4,111	8,048	11,784	3,260	3,043	5,454	668	-	43,658	
2015	HHDT	Gas	0.03%	0	2	38	30	54	71	138	202	56	52	94	11	-	749	
2015	LDA	Dsl	0.36%	4	25	429	337	607	790	1,547	2,266	627	585	1,049	128	-	8,395	
2015	LDA	Elec	0.27%	3	18	318	250	451	587	1,148	1,682	465	434	778	95	-	6,230	
2015	LDA	Gas	51.66%	628	3,509	61,314	48,125	86,764	112,960	221,118	323,777	89,574	83,603	149,853	18,357	-	1,199,581	
2015	LDT1	Dsl	0.02%	0	2	26	21	37	48	95	138	38	36	64	8	-	513	
2015	LDT1	Elec	0.01%	0	1	9	7	13	17	34	49	14	13	23	3	-	182	
2015	LDT1	Gas	4.96%	60	337	5,885	4,619	8,328	10,843	21,225	31,079	8,598	8,025	14,384	1,762	-	115,147	
2015	LDT2	Dsl	0.02%	0	1	24	19	34	45	87	128	35	33	59	7	-	473	
2015	LDT2	Gas	19.61%	238	1,332	23,267	18,262	32,925	42,865	83,909	122,865	33,991	31,725	56,865	6,966	-	455,211	
2015	LHDT1	Dsl	1.40%	17	95	1,664	1,306	2,355	3,066	6,002	8,789	2,431	2,269	4,068	498	-	32,561	
2015	LHDT1	Gas	1.70%	21	115	2,015	1,581	2,851	3,712	7,265	10,639	2,943	2,747	4,924	603	-	39,416	
2015	LHDT2	Dsl	0.43%	5	29	513	403	726	945	1,850	2,708	749	699	1,253	154	-	10,034	
2015	LHDT2	Gas	0.24%	3	16	281	220	397	517	1,012	1,481	410	383	686	84	-	5,489	
2015	MCY	Gas	0.64%	8	43	756	594	1,070	1,393	2,727	3,993	1,105	1,031	1,848	226	-	14,795	
2015	MDV	Dsl	0.12%	1	8	143	112	202	263	514	753	208	194	348	43	-	2,789	
2015	MDV	Gas	14.09%	171	957	16,725	13,127	23,667	30,812	60,315	88,317	24,433	22,805	40,876	5,007	-	327,213	
2015	MH	Dsl	0.02%	0	2	29	23	42	54	106	155	43	40	72	9	-	575	
2015	MH	Gas	0.11%	1	7	126	99	179	233	456	667	185	172	309	38	-	2,472	
2015	MHDT	Dsl	1.51%	18	103	1,792	1,407	2,536	3,302	6,464	9,465	2,619	2,444	4,381	537	-	35,068	
2015	MHDT	Gas	0.33%	4	23	395	310	559	728	1,424	2,085	577	538	965	118	-	7,726	
2015	OBUS	Dsl	0.11%	1	7	127	100	180	234	457	670	185	173	310	38	-	2,482	
2015	OBUS	Gas	0.12%	1	8	144	113	204	266	520	761	211	197	352	43	-	2,821	
2015	SBUS	Dsl	0.04%	1	3	53	41	75	97	190	278	77	72	129	16	-	1,031	
2015	SBUS	Gas	0.02%	0	1	22	17	31	40	79	116	32	30	54	7	-	430	
2015	UBUS	Dsl	0.18%	2	12	211	165	298	388	760	1,113	308	287	515	63	-	4,122	
2015	UBUS	Gas	0.12%	1	8	139	109	197	256	501	734	203	189	340	42	-	2,718	
2035	HHDT	Dsl	2.61%	94	55	11,079	7,152	11,724	18,914	32,264	14,031	14,041	6,092	2,525	1,318	-	119,289	
2035	LDA	Dsl	0.67%	24	14	2,839	1,833	3,005	4,847	8,268	3,596	3,598	1,561	647	338	-	30,570	
2035	LDA	Elec	8.20%	295	172	34,762	22,439	36,785	59,346	101,231	44,023	44,054	19,113	7,923	4,136	-	374,280	
2035	LDA	Gas	49.11%	1,765	1,032	208,064	134,306	220,173	355,204	605,901	263,491	263,678	114,397	47,422	24,757	-	2,240,191	
2035	LDT1	Dsl	0.00%	0	0	10	6	11	17	29	13	13	6	2	1	-	108	
2035	LDT1	Elec	0.00%	0	0	7	5	8	12	21	9	9	4	2	1	-	78	
2035	LDT1	Gas	3.40%	122	71	14,411	9,302	15,250	24,602	41,966	18,250	18,263	7,923	3,285	1,715	-	155,162	
2035	LDT2	Dsl	0.05%	2	1	196	126	207	334	570	248	248	108	45	23	-	2,108	
2035	LDT2	Gas	21.27%	765	447	90,128	58,178	95,373	153,865	262,460	114,137	114,218	49,554	20,542	10,724	-	970,389	
2035	LHDT1	Dsl	0.66%	24	14	2,792	1,803	2,955	4,767	8,132	3,536	3,539	1,535	636	332	-	30,065	
2035	LHDT1	Gas	0.41%	15	9	1,718	1,109	1,818	2,933	5,003	2,176	2,177	945	392	204	-	18,496	
2035	LHDT2	Dsl	0.31%	11	6	1,304	842	1,380	2,226	3,797	1,651	1,652	717	297	155	-	14,038	
2035	LHDT2	Gas	0.13%	5	3	531	343	562	907	1,548	673	674	292	121	63	-	5,722	
2035	MCY	Gas	0.54%	19	11	2,288	1,477	2,421	3,907	6,664	2,898	2,900	1,258	522	272	-	24,638	
2035	MDV	Dsl	0.28%	10	6	1,178	761	1,247	2,012	3,431	1,492	1,493	648	269	140	-	12,687	
2035	MDV	Gas	10.19%	366	214	43,165	27,863	45,677	73,690	125,700	54,664	54,702	23,733	9,838	5,136	-	464,748	
2035	MH	Dsl	0.01%	0	0	53	34	56	90	154	67	67	29	12	6	-	569	
2035	MH	Gas	0.04%	2	1	187	121	198	320	545	237	237	103	43	22	-	2,015	
2035	MHDT	Dsl	1.72%	62	36	7,268	4,692	7,691	12,408	21,166	9,205	9,211	3,996	1,657	865	-	78,257	
2035	MHDT	Gas	0.03%	1	1	112	72	118	191	326	142	142	62	26	13	-	1,205	
2035	OBUS	Dsl	0.10%	4	2	426	275	451	727	1,240	539	540	234	97	51	-	4,585	
2035	OBUS	Gas	0.08%	3	2	360	232	381	614	1,048	456	456	198	82	43	-	3,875	
2035	SBUS	Dsl	0%	1	1	155	100	164	265	452	197	197	85	35	18	-	1,673	
2035	SBUS	Gas	0%	1	0	99	64	104	168	287	125	125	54	22	12	-	1,061	
2035	UBUS	Dsl	0%	3	1	296	191	313	505	861	374	375	163	67	35	-	3,182	
2035	UBUS	Gas	0%	2	1	283	182	299	482	823	358	358	155	64	34	-	3,042	

Daily CH4 Emissions (MT)

Daily CO Emissions (lb/day)

Daily CH4 Emissions (MT)														Daily CO Emissions (lb/day)										
5MPH	10MPH	15MPH	20MPH	25MPH	30MPH	35MPH	40MPH	45MPH	50MPH	55MPH	60MPH	65MPH		5MPH	10MPH	15MPH	20MPH	25MPH	30MPH	35MPH	40MPH	45MPH	50MPH	55MPH
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.31	1.34	15.07	8.81	11.44	11.58	18.21	21.43	4.89	3.91	6.29
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.19	0.79	10.95	7.16	11.07	12.82	23.11	32.20	8.84	8.42	16.03
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.03	0.13	1.25	0.51	0.66	0.71	1.20	1.62	0.43	0.41	0.79
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	0	0	-	3.66	17.73	271.81	189.92	309.24	368.09	663.43	898.77	233.56	207.47	356.43
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.00	0.01	0.11	0.07	0.10	0.11	0.20	0.29	0.08	0.08	0.16
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	0	0	-	1.00	4.56	67.14	45.48	72.47	85.21	152.95	208.55	55.00	50.03	89.17
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.00	0.00	0.04	0.02	0.02	0.02	0.03	0.04	0.01	0.01	0.02
0	0	0	0	0	0	0	0	0	0	0	0	0	-	1.76	8.54	131.06	91.65	149.25	177.59	319.92	433.11	112.41	99.66	170.78
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.12	0.48	5.83	3.35	4.92	5.55	9.93	14.00	3.93	3.92	7.91
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.23	0.99	14.27	9.51	14.96	17.53	31.37	43.05	11.60	10.94	19.87
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.03	0.14	1.61	0.87	1.26	1.41	2.51	3.51	0.98	0.97	1.95
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.03	0.12	1.69	1.11	1.73	2.02	3.61	4.96	1.35	1.29	2.37
0	0	0	0	0	0	0	0	0	0	0	0	0	-	1.15	4.76	65.01	41.55	63.66	73.57	132.17	185.54	51.23	49.57	96.37
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.01	0.04	0.38	0.13	0.15	0.15	0.24	0.30	0.08	0.07	0.12
0	0	0	0	0	0	0	0	0	0	0	0	0	-	1.86	8.96	136.69	95.20	154.67	183.85	331.21	449.04	116.86	104.04	179.43
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.00	0.01	0.09	0.05	0.07	0.08	0.13	0.17	0.04	0.04	0.06
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.08	0.33	4.42	2.81	4.29	4.94	8.92	12.57	3.47	3.40	6.70
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.16	0.72	8.65	4.71	6.80	7.49	12.57	16.08	4.00	3.48	6.06
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.16	0.69	9.99	6.72	10.67	12.52	22.61	31.23	8.33	7.71	14.18
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.01	0.05	0.56	0.31	0.43	0.45	0.71	0.87	0.19	0.16	0.27
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.02	0.10	1.61	1.14	1.87	2.22	4.01	5.46	1.42	1.25	2.14
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.00	0.01	0.12	0.07	0.11	0.11	0.18	0.22	0.05	0.04	0.07
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.01	0.06	0.99	0.71	1.17	1.41	2.54	3.43	0.88	0.77	1.27
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.00	0.00	0.27	0.06	0.12	0.20	0.54	0.29	0.07	0.03	0.02
0	0	0	0	0	0	0	0	0	0	0	0	0	-	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	1.83	0.71	68.19	21.29	32.64	35.40	47.76	14.42	9.73	2.83	0.82
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.14	0.06	6.14	1.54	1.52	1.86	2.52	0.90	0.77	0.29	0.11
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	2.50	1.35	247.79	145.45	217.95	323.93	509.09	204.14	189.69	76.99	29.77
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.00
-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.21	0.11	20.97	12.28	18.37	27.27	42.83	17.17	15.96	6.48	2.51
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.01	0.00	0.42	0.11	0.10	0.13	0.17	0.06	0.05	0.02	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	1.43	0.77	142.01	83.35	124.90	185.62	291.72	116.98	108.71	44.12	17.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.18	0.08	8.38	2.50	2.75	3.55	5.14	1.99	1.86	0.79	0.34
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.02	0.01	1.67	0.99	1.47	2.19	3.42	1.36	1.27	0.52	0.20
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.08	0.04	3.51	0.91	0.91	1.13	1.55	0.57	0.49	0.19	0.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.23	0.14	0.20	0.30	0.47	0.19	0.18	0.07	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	1.93	0.86	140.01	75.78	107.92	156.01	244.85	101.00	98.93	43.31	18.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.07	0.03	2.90	0.73	0.72	0.87	1.19	0.43	0.36	0.14	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.89	0.48	87.92	51.54	77.15	114.57	179.98	72.17	67.08	27.23	10.54
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.10	0.03	0.03	0.04	0.06	0.02	0.02	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.23	0.14	0.21	0.31	0.48	0.19	0.18	0.07	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.17	0.08	11.46	5.35	6.43	7.65	9.62	3.08	2.28	0.73	0.22
0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	0.00	0.00	-	0.00	0.00	0.11	-	-	-	-	-	-	-	-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.02	0.01	1.11	0.52	0.62	0.75	0.95	0.31	0.22	0.08	0.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.33	0.19	0.29	0.43	0.68	0.27	0.25	0.10	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.24	0.11	0.14	0.16	0.21	0.07	0.05	0.02	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.06	0.04	0.05	0.08	0.12	0.05	0.05	0.02	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.22	0.10	10.68	3.19	3.52	4.50	6.27	2.28	1.97	0.76	0.29
0.00	0.00	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	1.13	0.67	1.01	1.50	2.36	0.95	0.88	0.35	0.14



Daily PM10 Emissions (lb/day)											Daily PM2.5 Emissions (lb/day)											Daily RO								
15MPH	20MPH	25MPH	30MPH	35MPH	40MPH	45MPH	50MPH	55MPH	60MPH	65MPH	5MPH	10MPH	15MPH	20MPH	25MPH	30MPH	35MPH	40MPH	45MPH	50MPH	55MPH	60MPH	65MPH	5MPH	10MPH	15MPH	20MPH	25MPH	30MPH	
0.71	0.63	0.63	0.74	1.30	1.82	0.51	0.50	0.99	0.13	-	0.01	0.05	0.68	0.60	0.60	0.71	1.24	1.75	0.49	0.48	0.95	0.12	-	0.08	0.38	4.43	2.41	2.71	2.78	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.01	0.03	0.40	0.24	0.33	0.35	
0.07	0.04	0.06	0.06	0.11	0.14	0.04	0.04	0.07	0.01	-	0.00	0.00	0.06	0.04	0.05	0.06	0.10	0.14	0.04	0.03	0.06	0.01	-	0.00	0.01	0.13	0.07	0.09	0.09	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.69	0.38	0.52	0.53	0.86	1.10	0.28	0.25	0.46	0.06	-	0.02	0.05	0.64	0.35	0.48	0.49	0.79	1.01	0.26	0.23	0.42	0.06	-	0.27	0.98	11.74	6.64	9.09	9.47	
0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.01	0.00	-	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.01	0.00	-	0.00	0.00	0.02	0.01	0.02	0.02	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.14	0.08	0.11	0.11	0.18	0.23	0.06	0.05	0.10	0.01	-	0.00	0.01	0.13	0.07	0.10	0.10	0.17	0.22	0.06	0.05	0.09	0.01	-	0.07	0.27	3.32	1.93	2.70	2.87	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	
0.25	0.14	0.19	0.19	0.31	0.40	0.10	0.09	0.17	0.02	-	0.01	0.02	0.23	0.13	0.17	0.18	0.29	0.37	0.09	0.08	0.15	0.02	-	0.12	0.45	5.38	3.04	4.16	4.33	
0.28	0.17	0.24	0.27	0.46	0.61	0.16	0.15	0.28	-	-	0.01	0.02	0.27	0.16	0.23	0.25	0.44	0.58	0.15	0.14	0.27	-	-	0.03	0.12	1.39	0.77	1.08	1.17	
0.02	0.01	0.02	0.02	0.03	0.03	0.01	0.01	0.01	-	-	0.00	0.00	0.02	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.01	-	-	0.02	0.07	0.87	0.50	0.68	0.72	
0.07	0.04	0.06	0.07	0.11	0.15	0.04	0.04	0.07	-	-	0.00	0.01	0.07	0.04	0.06	0.06	0.11	0.15	0.04	0.04	0.07	-	-	0.01	0.04	0.40	0.20	0.28	0.30	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.01	0.10	0.06	0.08	0.08	
0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	-	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	-	0.23	0.85	10.43	6.03	8.41	8.92	
0.01	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.00	-	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.00	-	0.00	0.00	0.03	0.01	0.01	0.01	
0.19	0.11	0.14	0.15	0.24	0.31	0.08	0.07	0.13	0.02	-	0.00	0.01	0.18	0.10	0.13	0.14	0.22	0.28	0.07	0.06	0.12	0.02	-	0.15	0.54	6.38	3.60	4.91	5.10	
0.02	0.01	0.02	0.02	0.03	0.05	0.01	0.01	0.03	0.00	-	0.00	0.00	0.02	0.01	0.02	0.02	0.03	0.04	0.01	0.01	0.03	0.00	-	0.00	0.00	0.03	0.01	0.01	0.02	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.02	0.21	0.12	0.17	0.19	
1.17	0.65	0.97	1.12	2.03	2.89	0.82	0.83	1.67	0.22	-	0.02	0.09	1.12	0.62	0.93	1.07	1.94	2.76	0.79	0.79	1.60	0.21	-	0.11	0.49	4.49	1.73	2.28	2.40	
0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	-	-	0.01	0.05	0.59	0.34	0.46	0.49	
0.04	0.02	0.03	0.04	0.07	0.09	0.02	0.02	0.05	0.01	-	0.00	0.00	0.04	0.02	0.03	0.04	0.06	0.09	0.02	0.02	0.05	0.01	-	0.01	0.02	0.24	0.11	0.14	0.14	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.01	0.10	0.06	0.08	0.08	
0.02	0.01	0.02	0.02	0.03	0.04	0.01	0.01	0.02	0.00	-	0.00	0.00	0.02	0.01	0.02	0.02	0.03	0.04	0.01	0.01	0.02	0.00	-	0.00	0.01	0.06	0.03	0.03	0.03	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.01	0.06	0.03	0.04	0.05	
0.10	0.06	0.08	0.10	0.17	0.22	0.06	0.05	0.10	0.01	-	0.00	0.01	0.10	0.05	0.08	0.09	0.16	0.21	0.06	0.05	0.09	0.01	-	0.02	0.09	0.85	0.31	0.39	0.41	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.01	0.18	0.10	0.14	0.14	
0.21	0.10	0.17	0.26	0.41	0.17	0.16	0.06	0.03	0.01	-	0.00	0.00	0.20	0.10	0.17	0.25	0.39	0.16	0.15	0.06	0.02	0.01	-	0.08	0.04	6.71	3.15	3.85	4.66	
0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.20	0.05	0.05	0.06	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.31	0.59	0.72	0.90	1.26	0.48	0.44	0.18	0.08	0.04	-	0.02	0.01	1.20	0.54	0.66	0.83	1.16	0.44	0.40	0.17	0.07	0.04	-	0.12	0.04	5.97	2.69	3.25	4.09	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.10	0.04	0.05	0.07	0.09	0.04	0.03	0.01	0.01	0.00	-	0.00	0.00	0.09	0.04	0.05	0.06	0.09	0.03	0.03	0.01	0.01	0.00	-	0.01	0.00	0.58	0.26	0.32	0.40	
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.04	0.01	0.01	0.01	
0.58	0.26	0.32	0.40	0.56	0.21	0.19	0.08	0.03	0.02	-	0.01	0.00	0.53	0.24	0.29	0.37	0.51	0.19	0.18	0.07	0.03	0.02	-	0.07	0.03	3.55	1.60	1.94	2.44	
0.14	0.07	0.10	0.13	0.20	0.08	0.08	0.03	0.01	-	-	0.00	0.00	0.13	0.07	0.09	0.13	0.20	0.08	0.07	0.03	0.01	-	-	0.04	0.02	1.83	0.54	0.59	0.74	
0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.10	0.05	0.06	0.07	
0.04	0.02	0.03	0.05	0.07	0.03	0.03	0.01	0.00	-	-	0.00	0.00	0.04	0.02	0.03	0.05	0.07	0.03	0.03	0.01	0.00	-	-	0.02	0.01	0.79	0.20	0.20	0.25	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	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	0.01	0.01	
0.03	0.01	0.02	0.02	0.03	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.03	0.01	0.02	0.02	0.03	0.01	0.01	0.00	0.00	0.00	-	0.54	0.20	28.20	13.12	16.34	21.09	
0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.10	0.03	0.02	0.03	
0.29	0.13	0.16	0.20	0.28	0.11	0.10	0.04	0.02	0.01	-	0.01	0.00	0.27	0.12	0.15	0.19	0.26	0.10	0.09	0.04	0.02	0.01	-	0.05	0.02	2.68	1.21	1.48	1.86	
0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.04	0.01	0.01	0.01	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.02	0.01	0.01	0.01	
0.08	0.04	0.07	0.10	0.15	0.06	0.06	0.02	0.01	0.00	-	0.00	0.00	0.07	0.04	0.06	0.09	0.15	0.06	0.06	0.02	0.01	0.00	-	0.03	0.02	2.19	1.02	1.23	1.46	
0.00	0.00	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.01	0.00	-	-
0.01	0.00	0.00	0																											

G Emissions (lb/day)

Daily Fuel Use (1000 gallons)

G Emissions (lb/day)							Daily Fuel Use (1000 gallons)														Emissions (lb/day)							
35MPH	40MPH	45MPH	50MPH	55MPH	60MPH	65MPH	5MPH	10MPH	15MPH	20MPH	25MPH	30MPH	35MPH	40MPH	45MPH	50MPH	55MPH	60MPH	65MPH	CH4 (MT)	CO (lb/day)	CO2 (MT)	NOx (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	ROG (lb/day)	Fuel (1000gal)	
4.19	4.91	1.13	0.92	1.52	0.19	-	0.02	0.10	1.29	0.78	1.35	1.61	3.04	4.16	1.08	0.95	1.63	0.20	-	0	104.02	81.75	731.82	8.03	7.68	25.65	16	
0.59	0.78	0.20	0.19	0.35	0.05	-	0.00	0.00	0.03	0.02	0.03	0.03	0.06	0.09	0.02	0.02	0.04	0.00	-	0	133.79	1.41	9.86	0.01	0.01	3.52	0	
0.16	0.21	0.05	0.05	0.09	0.01	-	0.00	0.00	0.05	0.03	0.04	0.05	0.09	0.12	0.03	0.03	0.06	0.01	-	0	7.85	2.57	6.35	0.63	0.60	0.98	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	315.98	-	-	-	-	
15.56	20.08	5.16	4.70	8.61	1.13	-	0.16	0.65	8.75	5.48	8.19	9.18	16.06	21.75	5.79	5.41	10.04	1.32	-	0	3,562.50	392.67	1.45	5.21	4.80	93.44	93	
0.03	0.04	0.01	0.01	0.02	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	-	0	1.24	0.20	77.88	0.12	0.12	0.18	0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-	-	-	-	
4.78	6.24	1.62	1.48	2.71	0.36	-	0.02	0.07	0.98	0.61	0.92	1.03	1.80	2.44	0.65	0.61	1.13	0.15	-	0	842.75	43.69	201.88	1.09	1.01	28.34	10	
0.00	0.01	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	0.00	0.00	-	0	0.22	0.18	498.16	0.01	0.01	0.03	0	
7.11	9.16	2.35	2.13	3.89	0.51	-	0.08	0.33	4.48	2.80	4.19	4.70	8.21	11.13	2.96	2.77	5.13	0.67	-	0	1,715.95	200.93	79.43	1.88	1.74	42.64	47	
1.98	2.64	0.69	0.64	1.20	-	-	0.00	0.02	0.24	0.16	0.25	0.30	0.58	0.83	0.22	0.22	0.41	-	-	0	59.93	16.36	95.00	2.64	2.52	11.72	3	
1.18	1.53	0.40	0.37	0.67	-	-	0.01	0.04	0.46	0.31	0.51	0.61	1.19	1.74	0.48	0.47	0.89	-	-	0	174.32	28.41	5.25	0.16	0.15	7.01	7	
0.51	0.68	0.18	0.16	0.30	-	-	0.00	0.01	0.08	0.06	0.09	0.10	0.20	0.29	0.08	0.07	0.14	-	-	0	15.25	5.65	79.87	0.65	0.63	3.06	1	
0.14	0.18	0.05	0.04	0.08	-	-	0.00	0.01	0.07	0.05	0.08	0.10	0.19	0.27	0.07	0.07	0.13	-	-	0	20.27	4.39	2.85	0.02	0.02	0.82	1	
14.89	19.60	5.11	4.71	8.74	1.17	-	0.00	0.01	0.07	0.04	0.06	0.07	0.13	0.17	0.05	0.04	0.08	0.01	-	0	778.16	2.45	233.44	0.06	0.05	89.09	1	
0.02	0.03	0.01	0.01	0.01	0.00	-	0.00	0.00	0.02	0.02	0.02	0.03	0.05	0.07	0.02	0.02	0.03	0.00	-	0	1.67	1.39	10.49	0.08	0.08	0.14	0	
8.35	10.72	2.74	2.49	4.53	0.59	-	0.08	0.31	4.18	2.62	3.91	4.39	7.67	10.39	2.77	2.58	4.80	0.63	-	0	1,783.26	187.51	6.85	1.45	1.33	50.08	44	
0.02	0.03	0.01	0.01	0.01	0.00	-	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.01	0.00	-	0	0.75	0.60	443.86	0.20	0.20	0.16	0	
0.31	0.42	0.11	0.10	0.19	0.03	-	0.00	0.01	0.07	0.04	0.06	0.07	0.13	0.18	0.05	0.04	0.07	0.01	-	0	52.87	3.04	22.58	0.02	0.02	1.87	1	
3.84	4.69	1.13	0.97	1.73	0.22	-	0.01	0.04	0.62	0.41	0.68	0.83	1.54	2.15	0.57	0.52	0.91	0.11	-	0	71.45	42.35	35.05	12.48	11.94	24.08	8	
0.80	1.05	0.27	0.25	0.46	0.06	-	0.00	0.02	0.22	0.12	0.19	0.23	0.41	0.56	0.14	0.13	0.22	0.03	-	0	126.65	9.50	5.43	0.03	0.03	4.84	2	
0.21	0.25	0.05	0.05	0.08	0.01	-	0.00	0.00	0.05	0.03	0.06	0.07	0.13	0.19	0.05	0.05	0.08	0.01	-	0	4.05	3.61	30.39	0.41	0.39	1.30	1	
0.13	0.16	0.04	0.04	0.07	0.01	-	0.00	0.01	0.08	0.04	0.07	0.08	0.15	0.20	0.05	0.05	0.08	0.01	-	0	21.49	3.46	1.99	0.00	0.00	0.78	1	
0.05	0.07	0.02	0.01	0.03	0.00	-	0.00	0.00	0.02	0.01	0.02	0.02	0.05	0.06	0.02	0.02	0.03	0.00	-	0	1.00	1.24	73.66	0.18	0.17	0.35	0	
0.07	0.09	0.02	0.02	0.04	0.01	-	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.00	-	0	13.37	0.25	5.42	0.00	0.00	0.44	0	
0.66	0.81	0.20	0.18	0.35	0.05	-	0.00	0.01	0.11	0.07	0.11	0.14	0.25	0.35	0.09	0.09	0.15	0.02	-	0	1.60	7.02	0.76	0.96	0.92	4.33	1	
0.23	0.30	0.08	0.07	0.13	0.02	-	0.00	0.01	0.08	0.04	0.07	0.08	0.14	0.20	0.05	0.04	0.08	0.01	-	0	0.03	3.34	0.03	0.01	0.01	1.39	1	
5.80	1.88	1.41	0.46	0.14	0.06	-	0.07	0.03	5.16	2.66	4.21	6.26	10.35	4.25	4.01	1.65	0.66	0.34	-	0	235.99	199.91	534.53	1.58	1.51	28.25	40	
0.08	0.03	0.03	0.01	0.00	0.00	-	0.00	0.00	0.19	0.10	0.14	0.19	0.29	0.12	0.12	0.05	0.02	0.01	-	0	15.90	6.23	0.93	0.09	0.08	0.53	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.74	2.16	1.98	0.83	0.35	0.19	-	0.27	0.12	18.23	9.38	12.73	17.68	26.94	10.84	10.44	4.54	1.95	1.09	-	0	1,962.99	485.18	129.24	6.02	5.54	27.42	114	
0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0	0.09	0.03	0.07	0.00	0.00	0.01	0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-
0.57	0.21	0.20	0.08	0.03	0.02	-	0.02	0.01	1.39	0.72	0.97	1.35	2.06	0.83	0.80	0.35	0.15	0.08	-	0	165.40	37.04	11.81	0.45	0.41	2.69	9	
0.02	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.02	0.01	0.01	0.02	0.03	0.01	0.01	0.00	0.00	0.00	-	0	1.09	0.54	0.18	0.02	0.02	0.11	0	
3.42	1.29	1.18	0.49	0.21	0.12	-	0.15	0.06	10.01	5.15	6.99	9.71	14.79	5.95	5.73	2.49	1.07	0.60	-	-	1,124.90	266.38	75.10	2.67	2.45	16.32	63	
1.05	0.39	0.35	0.14	0.06	-	-	0.01	0.00	0.35	0.19	0.28	0.41	0.70	0.30	0.29	0.13	0.06	-	-	-	27.56	13.77	57.65	0.85	0.81	5.75	3	
0.10	0.04	0.03	0.01	0.01	-	-	0.00	0.00	0.36	0.20	0.31	0.45	0.76	0.33	0.33	0.15	0.07	-	-	-	13.12	12.65	5.55	0.05	0.05	0.47	3	
0.34	0.12	0.11	0.04	0.02	-	-	0.00	0.00	0.18	0.10	0.15	0.21	0.37	0.15	0.15	0.07	0.03	-	-	-	9.45	7.11	5.67	0.29	0.28	2.10	1	
0.01	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.13	0.07	0.11	0.15	0.26	0.11	0.11	0.05	0.02	-	-	-	1.81	4.30	0.59	0.02	0.02	0.06	1	
30.26	11.66	10.88	4.62	1.97	1.12	-	0.00	0.00	0.21	0.11	0.15	0.20	0.31	0.13	0.12	0.05	0.02	0.01	-	0	1,000.28	4.65	62.54	0.14	0.13	140.01	1	
0.04	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.13	0.07	0.09	0.13	0.20	0.08	0.08	0.03	0.02	0.01	-	0	7.49	4.25	0.42	0.04	0.04	0.26	1	
2.62	0.99	0.90	0.38	0.16	0.09	-	0.09	0.04	6.42	3.30	4.48	6.23	9.49	3.82	3.68	1.60	0.69	0.38	-	0	694.63	170.85	57.32	1.36	1.25	12.44	40	
0.02	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.02	0.01	0.01	0.02	0.03	0.01	0.01	0.01	0.00	0.00	-	0	0.32	0.59	3.90	0.05	0.05	0.10	0	
0.02	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.10	0.04	0.06	0.09	0.15	0.06	0.05	0.02	0.01	0.00	-	0	1.86	2.51	0.78	0.01	0.01	0.08	1	
1.84	0.59	0.43	0.14	0.04	0.02	-	0.03	0.01	2.28	1.28	1.94	2.96	4.82	2.02	1.95	0.82	0.33	0.17	-	-	47.17	93.82	201.20	0.60	0.57	9.02	19	
-	-	-	-	-	-	-	0.00	0.00	0.06	0.03	-	-	-	-	-	-	-	-	-	-	0	0.12	0.36	0.07	0.00	0.00	0.01	0
0.17	0.06	0.04	0.01	0.00	0.00	-	0.00	0.00	0.16	0.09	0.13	0.21	0.34	0.14	0.14	0.06	0.02	0.01	-	0	4.61	6.59	16.09	0.05	0.04	0.82	1	
0.03	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.18	0.08	0.12	0.18	0.28	0.11	0.10	0.04	0.02	0.01	-	0	2.60	4.79	1.02	0.01	0.01	0.12	1	
0.05	0.01	0.01	0.00	0.00	0.00	-	0.00	0.00	0.05	0.03	0.04	0.06	0.10	0.04	0.04	0.02	0.01	0.00	-	-	1.01	2.02	5.23	0.02	0.02	0.22	0	
0.01	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.02	0.01																		

Unmitigated Net Difference between 2015-2035 Land Uses					
CalEEMod Outputs					
lb/day					
	Source	ROG	NOX	PM10	PM2.5
2015	Area	4122.5	42.5	20	20
	Energy	82.5	735	57.5	57.5
	Mobile	396.26	2,975.88	36.34	34.42
	<b>Total</b>	4,601.26	3,753.38	113.84	111.92
2035	Area	4922.5	60	30	30
	Energy	97.5	866.25	67.5	67.5
	Mobile	248.04	1,193.32	14.40	13.38
<b>Total</b>	5268.042	2119.573318	111.901073	110.87974	
<b>Net Difference</b>	Area	800	18	10	10
	Energy	15	131	10	10
	Mobile	-148	-1783	-22	-21
<b>Total</b>	667	-1634	-2	-1	

Net Difference between 2015-2035 Land Uses with GPP NR 4-1					
CalEEMod Outputs					
lb/day					
	Source	ROG	NOX	PM10	PM2.5
2015	Area	4122.5	42.5	20	20
	Energy	82.5	735	57.5	57.5
	Mobile	396.26	2,529.50	36.34	34.42
	<b>Total</b>	4,601.26	3,307.00	113.84	111.92
2035	Area	4184.125	51	25.5	25.5
	Energy	82.875	736.3125	57.375	57.375
	Mobile	210.84	1,014.32	12.24	11.37
<b>Total</b>	4477.83569	1801.63732	95.11591226	94.24777681	
<b>Net Difference</b>	Area	62	9	6	6
	Energy	0	1	0	0
	Mobile	-185	-1515	-24	-23
<b>Total</b>	-123	-1505	-19	-18	

**Notes:**

Operational mobile source emissions of CAPs were Calculated using CARB's 2014 EMFAC Model.

Operational Area and Energy source emissions of CAPS were modeled using the CalEEMod 2017.3.2 computer program.

General Plan Policy NR-1 requires that projects that exceed SMAQMD's TOS for air pollutants reduce emissions 15 percent below baseline (existing) emissions.

Operational emissions are presented in Table 5.3-6 and 5.3-7 on Pages 5.3-22 and 5.3-23 of the DEIR.



LAND USES PROVIDED BY CITY OF ELK GROVE						
Land Use Designation	2015 (Existing Planned Uses)			2035 (Proposed Planned Uses)		
	Acres	DU	EMP	Acres	DU	EMP
Community Commercial	546	0	13252	554	0	14131
Regional Commercial	899	0	17421	899	0	17764
Employment Center	642	0	26930	629	0	25703
Light Industrial/Flex	118	0	5187	121	0	5291
Light Industrial	582	0	9804	600	0	9959
Heavy Industrial	376	0	2769	376	0	2788
Village Center Mixed Use	32	91	1187	46	129	1841
Residential Mixed Use	16	275	89	4	65	21
Parks and Open Space	1858	0	104	1881	78	83
Resource Management and Conservation	844	0	0	986	0	0
Public Services	1190	0	4000	1183	0	4203
Rural Residential	5065	2206	0	4883	1684	0
Estate Residential	1216	4931	0	1239	5033	0
Estate Residential (1/4ac)	0	0	0	83	389	0
Estate Residential (1/3ac)	0	0	0	50	150	0
Estate Residential (1ac)	694	486	0	522	527	0
Low Density Residential	8172	47338	0	8217	48065	0
Medium Density Residential	602	5715	0	555	5246	0
High Density Residential	550	10137	0	577	10896	0
Tribal Trust Lands	38	0	0	38	0	0
<b>Subtotal City Limits</b>	<b>23441</b>	<b>71179</b>	<b>80742</b>	<b>23441</b>	<b>72262</b>	<b>81784</b>
North Study Area				646	323	0
East Study Area				1772	4806	3875
South Study Area				3676	16250	30367
West Study Area				1915	9224	6129
<b>Subtotal Study Areas</b>				<b>8008</b>	<b>30603</b>	<b>40371</b>
<b>Grand Total</b>	<b>23441</b>	<b>71179</b>	<b>80742</b>	<b>31449</b>	<b>102865</b>	<b>122155</b>

NET INCREASE (2015 to 2035)			
Net Increase (2015 to 2035)			
Land Use	Acres	1,000 SF	Over 20 Years
Community Commercial	8	350.0	17.50
Regional Commercial	0	1.3	0.07
Employment Center	-13	-579.5	(28.98)
Light Industrial/Flex	2	102.7	5.14
Light Industrial	18	789.4	39.47
Heavy Industrial	0	0.0	-
Village Center Mixed Use	14	626.8	31.34
Residential Mixed Use	-12	-528.7	(26.43)
Parks and Open Space	23	999.7	49.98
Resource Management and Conservation	142	6196.2	309.81
Public Services	-7	-325.9	(16.29)
Rural Residential	-183	-7966.0	(398.30)
Estate Residential	24	1023.9	51.20
Estate Residential (1/4ac)	83	3636.1	181.81
Estate Residential (1/3ac)	50	2175.0	108.75
Estate Residential (1ac)	-173	-7526.1	(376.31)
Low Density Residential	45	1965.1	98.26
Medium Density Residential	-48	-2076.8	(103.84)
High Density Residential	26	1140.9	57.04
Tribal Trust Lands	0	0.0	-
<b>Subtotal City Limits</b>	<b>0</b>	<b>4.1</b>	<b>0.21</b>
North Study Area		0.0	-
East Study Area		0.0	-
South Study Area		0.0	-
West Study Area		0.0	-
<b>Subtotal Study Areas</b>	<b>8008</b>	<b>348826.4</b>	<b>17,441.32</b>
<b>Grand Total</b>	<b>8,008</b>	<b>348,835</b>	<b>17,441.73</b>

**Notes**

Acres/SF of Land Uses under 2015 (Existing Planned Uses) refers to the existing planned land uses under the current General Plan.

Acres/SF of Land Uses under 2035 (Proposed Planned Uses) refers to the proposed planned land uses proposed under the General Plan Update (project)

Columns I-L demonstrate the net difference between the 2015 and 2035 land uses.

Source: City of Elk Grove 2017

## Off-Model ROG-Adjustments

	CalEEMod Outputs			
	ROG	NOX	PM10	PM2.5
Year	lb/day			
2015	1955.00	379.55	235	64

Phase	# of Days (CalEEMod)	% of year	Adjusted # of Days
Demolition	10	3%	7
Site Prep	10	3%	7
Grading	30	8%	15
Building Co	300	79%	205
Paving	20	5%	13
Arch Coatir	20	5%	15
	380	100%	262
Start Date	End Date		
1/1/2015	12/28/2015		

notes:

*Off-model calcs used to adjust over estimation of emissions of ROG from raw CalEEMod outputs. CalEEMod assumes that architectural coatings will over within a shorter timeframe than would normally occur during construction activity.*

*Construction-generated ROG emissions are summarized in Table 5.3-5 on page 5.3-19 of the DEIR.*

Total Working Days	
262	

Adjusted Arch Coating Days	
182	
	based on 3/4 building days plus paving and arch coating
29325	
161.348	ROG lb/day