

**APPENDIX B**

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**Air Quality Model Outputs**



Lancaster Health District (All Sub Areas - Antelope Valley APCD Air District, Summer

**Lancaster Health District (Existing)**  
**Antelope Valley APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	230.00	1000sqft	5.28	230,000.00	0
Hospital	420.00	Bed	6.90	300,618.18	0
Apartments Low Rise	376.00	Dwelling Unit	23.50	376,000.00	1075
Single Family Housing	59.00	Dwelling Unit	19.16	106,200.00	169
General Office Building	394.43	1000sqft	9.05	394,430.00	0
Regional Shopping Center	646.00	1000sqft	38.39	646,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**NOTE: Only operational emissions were used during this phase. To avoid confusion, portions of this output related to construction were removed.**

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

- Project Characteristics -
- Land Use - According to Trip Generation estimates for the entire project
- Construction Phase - Operation only
- Off-road Equipment - Short construction period

Off-road Equipment - Operation only

Trips and VMT -

Demolition -

Grading - Project description

Vehicle Trips - Based on weekday trip rates from Traffic Study; weekend trip rates adjusted based on default ratio for each land use

Woodstoves - No woodstoves

Water And Wastewater -

Solid Waste -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	0.00
tblConstructionPhase	PhaseEndDate	10/4/2019	12/30/2018
tblLandUse	LotAcreage	14.83	38.39
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	270.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	45.00
tblStationaryBoilersUse	DailyHeatInput	0.00	0.70
tblStationaryBoilersUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00

## 2.0 Emissions Summary

### 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	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.70 29	5,131.460 8	17,212.163 7	11.2129	0.9502	17,775.65 76
Energy	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.35 74	11,214.357 4	0.2149	0.2056	11,280.99 88
Mobile	140.1763	528.3193	1,325.571 7	3.3694	226.1882	3.5041	229.6923	60.5598	3.2959	63.8557		340,178.8 766	340,178.87 66	16.6306		340,594.6 410
Stationary	7.5500e- 003	0.0154	0.1345	8.2000e- 004		0.0104	0.0104		0.0104	0.0104		164.7087	164.7087	3.1600e- 003		164.7876
<b>Total</b>	<b>866.1020</b>	<b>550.9750</b>	<b>2,190.639 9</b>	<b>4.9170</b>	<b>226.1882</b>	<b>119.6417</b>	<b>345.8300</b>	<b>60.5598</b>	<b>119.4336</b>	<b>179.9934</b>	<b>12,080.70 29</b>	<b>356,689.4 035</b>	<b>368,770.10 64</b>	<b>28.0616</b>	<b>1.1558</b>	<b>369,816.0 850</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	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.70 29	5,131.460 8	17,212.163 7	11.2129	0.9502	17,775.65 76

Energy	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.3574	11,214.3574	0.2149	0.2056	11,280.9988	
Mobile	140.1763	528.3193	1,325.5717	3.3694	226.1882	3.5041	229.6923	60.5598	3.2959	63.8557		340,178.8766	340,178.8766	16.6306		340,594.6410	
Stationary	7.5500e-003	0.0154	0.1345	8.2000e-004		0.0104	0.0104		0.0104	0.0104		164.7087	164.7087	3.1600e-003		164.7876	
<b>Total</b>	<b>866.1020</b>	<b>550.9750</b>	<b>2,190.6399</b>	<b>4.9170</b>	<b>226.1882</b>	<b>119.6417</b>	<b>345.8300</b>	<b>60.5598</b>	<b>119.4336</b>	<b>179.9934</b>		<b>12,080.7029</b>	<b>356,689.4035</b>	<b>368,770.1064</b>	<b>28.0616</b>	<b>1.1558</b>	<b>369,816.0850</b>

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

#### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	140.1763	528.3193	1,325.5717	3.3694	226.1882	3.5041	229.6923	60.5598	3.2959	63.8557		340,178.8766	340,178.8766	16.6306		340,594.6410
Unmitigated	140.1763	528.3193	1,325.5717	3.3694	226.1882	3.5041	229.6923	60.5598	3.2959	63.8557		340,178.8766	340,178.8766	16.6306		340,594.6410

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Low Rise	2,477.84	2,692.16	2282.32	7,044,991	7,044,991
Medical Office Building	8,309.90	2,060.80	356.50	12,293,430	12,293,430

General Office Building	4,350.56	970.30	414.15	7,898,906	7,898,906
Hospital	5,434.80	3,418.80	3019.80	12,093,028	12,093,028
Regional Shopping Center	27,584.20	32,280.62	16305.04	46,714,718	46,714,718
Single Family Housing	561.68	584.69	508.58	1,583,030	1,583,030
<b>Total</b>	<b>48,718.98</b>	<b>42,007.37</b>	<b>22,886.39</b>	<b>87,628,103</b>	<b>87,628,103</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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Apartments Low Rise	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
General Office Building	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Hospital	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Regional Shopping Center	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Single Family Housing	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.3574	11,214.3574	0.2149	0.2056	11,280.9988
NaturalGas Unmitigated	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.3574	11,214.3574	0.2149	0.2056	11,280.9988

## 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 Low Rise	16832.2	0.1815	1.5512	0.6601	9.9000e-003		0.1254	0.1254		0.1254	0.1254		1,980.2590	1,980.2590	0.0380	0.0363	1,992.0267
General Office Building	11249.4	0.1213	1.1029	0.9264	6.6200e-003		0.0838	0.0838		0.0838	0.0838		1,323.4541	1,323.4541	0.0254	0.0243	1,331.3187
Hospital	53337.1	0.5752	5.2291	4.3925	0.0314		0.3974	0.3974		0.3974	0.3974		6,274.9503	6,274.9503	0.1203	0.1150	6,312.2392
Medical Office Building	6559.73	0.0707	0.6431	0.5402	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.7325	771.7325	0.0148	0.0142	776.3185
Regional Shopping Center	2902.58	0.0313	0.2846	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4795	341.4795	6.5500e-003	6.2600e-003	343.5087
Single Family Housing	4441.1	0.0479	0.4093	0.1742	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4821	522.4821	0.0100	9.5800e-003	525.5870
<b>Total</b>		<b>1.0280</b>	<b>9.2202</b>	<b>6.9324</b>	<b>0.0561</b>		<b>0.7103</b>	<b>0.7103</b>		<b>0.7103</b>	<b>0.7103</b>		<b>11,214.3574</b>	<b>11,214.3574</b>	<b>0.2149</b>	<b>0.2056</b>	<b>11,280.9988</b>

### Mitigated



	Natural Gas 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 Low Rise	16.8322	0.1815	1.5512	0.6601	9.9000e-003		0.1254	0.1254		0.1254	0.1254		1,980.2590	1,980.2590	0.0380	0.0363	1,992.0267
General Office Building	11.2494	0.1213	1.1029	0.9264	6.6200e-003		0.0838	0.0838		0.0838	0.0838		1,323.4541	1,323.4541	0.0254	0.0243	1,331.3187
Hospital	53.3371	0.5752	5.2291	4.3925	0.0314		0.3974	0.3974		0.3974	0.3974		6,274.9503	6,274.9503	0.1203	0.1150	6,312.2392
Medical Office Building	6.55973	0.0707	0.6431	0.5402	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.7325	771.7325	0.0148	0.0142	776.3185
Regional Shopping Center	2.90258	0.0313	0.2846	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4795	341.4795	6.5500e-003	6.2600e-003	343.5087
Single Family Housing	4.4411	0.0479	0.4093	0.1742	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4821	522.4821	0.0100	9.5800e-003	525.5870
<b>Total</b>		<b>1.0280</b>	<b>9.2202</b>	<b>6.9324</b>	<b>0.0561</b>		<b>0.7103</b>	<b>0.7103</b>		<b>0.7103</b>	<b>0.7103</b>		<b>11,214.3574</b>	<b>11,214.3574</b>	<b>0.2149</b>	<b>0.2056</b>	<b>11,280.9988</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.7029	5,131.4608	17,212.1637	11.2129	0.9502	17,775.6576
Unmitigated	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.7029	5,131.4608	17,212.1637	11.2129	0.9502	17,775.6576

## 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	14.1083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.9395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	665.7218	13.0008	821.7613	1.4888		115.2188	115.2188		115.2188	115.2188	12,080.70 29	5,066.470 6	17,147.173 5	11.1485	0.9502	17,709.05 66
Landscaping	1.1205	0.4194	36.2401	1.9100e-003		0.1982	0.1982		0.1982	0.1982		64.9902	64.9902	0.0644		66.6010
<b>Total</b>	<b>724.8901</b>	<b>13.4201</b>	<b>858.0013</b>	<b>1.4907</b>		<b>115.4170</b>	<b>115.4170</b>		<b>115.4170</b>	<b>115.4170</b>	<b>12,080.70 29</b>	<b>5,131.460 8</b>	<b>17,212.163 7</b>	<b>11.2129</b>	<b>0.9502</b>	<b>17,775.65 76</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.1083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.9395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	665.7218	13.0008	821.7613	1.4888		115.2188	115.2188		115.2188	115.2188	12,080.70 29	5,066.470 6	17,147.173 5	11.1485	0.9502	17,709.05 66
Landscaping	1.1205	0.4194	36.2401	1.9100e-003		0.1982	0.1982		0.1982	0.1982		64.9902	64.9902	0.0644		66.6010
<b>Total</b>	<b>724.8901</b>	<b>13.4201</b>	<b>858.0013</b>	<b>1.4907</b>		<b>115.4170</b>	<b>115.4170</b>		<b>115.4170</b>	<b>115.4170</b>	<b>12,080.70 29</b>	<b>5,131.460 8</b>	<b>17,212.163 7</b>	<b>11.2129</b>	<b>0.9502</b>	<b>17,775.65 76</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

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0	50	50	0.73	Diesel

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	2	0.7	270	45	CNG

### User Defined Equipment

Equipment Type	Number
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## 10.1 Stationary Sources

### Unmitigated/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	
Equipment Type	lb/day										lb/day						
Boiler - CNG (5 - 75 MMBTU)	7.5500e-003	0.0154	0.1345	8.2000e-004		0.0104	0.0104		0.0104	0.0104			164.7087	164.7087	3.1600e-003		164.7876

Emergency Generator - Diesel (50-75 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>7.5500e-003</b>	<b>0.0154</b>	<b>0.1345</b>	<b>8.2000e-004</b>		<b>0.0104</b>	<b>0.0104</b>		<b>0.0104</b>	<b>0.0104</b>		<b>164.7087</b>	<b>164.7087</b>	<b>3.1600e-003</b>		<b>164.7876</b>

## 11.0 Vegetation

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Lancaster Health District (All Sub Areas - Antelope Valley APCD Air District, Winter

**Lancaster Health District (Existing)  
Antelope Valley APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	230.00	1000sqft	5.28	230,000.00	0
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Apartments Low Rise	376.00	Dwelling Unit	23.50	376,000.00	1075
Single Family Housing	59.00	Dwelling Unit	19.16	106,200.00	169
General Office Building	394.43	1000sqft	9.05	394,430.00	0
Regional Shopping Center	646.00	1000sqft	38.39	646,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**NOTE: Only operational emissions were used during this phase. To avoid confusion, portions of this output related to construction were removed.**

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

- Project Characteristics -
- Land Use - According to Trip Generation estimates for the entire project
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- Off-road Equipment - Short construction period

Off-road Equipment - Operation only

Trips and VMT -

Demolition -

Grading - Project description

Vehicle Trips - Based on weekday trip rates from Traffic Study; weekend trip rates adjusted based on default ratio for each land use

Woodstoves - No woodstoves

Water And Wastewater -

Solid Waste -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	0.00
tblConstructionPhase	PhaseEndDate	10/4/2019	12/30/2018
tblLandUse	LotAcreage	14.83	38.39
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	270.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	45.00
tblStationaryBoilersUse	DailyHeatInput	0.00	0.70
tblStationaryBoilersUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00

## 2.0 Emissions Summary

### 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	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.70 29	5,131.460 8	17,212.163 7	11.2129	0.9502	17,775.65 76
Energy	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.35 74	11,214.357 4	0.2149	0.2056	11,280.99 88
Mobile	114.0612	531.3156	1,166.666 0	3.0448	226.1882	3.5425	229.7307	60.5598	3.3327	63.8925		307,690.6 474	307,690.64 74	16.3167		308,098.5 642
Stationary	7.5500e- 003	0.0154	0.1345	8.2000e- 004		0.0104	0.0104		0.0104	0.0104		164.7087	164.7087	3.1600e- 003		164.7876
<b>Total</b>	<b>839.9869</b>	<b>553.9713</b>	<b>2,031.734 2</b>	<b>4.5924</b>	<b>226.1882</b>	<b>119.6802</b>	<b>345.8684</b>	<b>60.5598</b>	<b>119.4704</b>	<b>180.0302</b>	<b>12,080.70 29</b>	<b>324,201.1 744</b>	<b>336,281.87 72</b>	<b>27.7477</b>	<b>1.1558</b>	<b>337,320.0 082</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	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.70 29	5,131.460 8	17,212.163 7	11.2129	0.9502	17,775.65 76



Energy	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.3574	11,214.3574	0.2149	0.2056	11,280.9988	
Mobile	114.0612	531.3156	1,166.6660	3.0448	226.1882	3.5425	229.7307	60.5598	3.3327	63.8925		307,690.6474	307,690.6474	16.3167		308,098.5642	
Stationary	7.5500e-003	0.0154	0.1345	8.2000e-004		0.0104	0.0104		0.0104	0.0104		164.7087	164.7087	3.1600e-003		164.7876	
<b>Total</b>	<b>839.9869</b>	<b>553.9713</b>	<b>2,031.7342</b>	<b>4.5924</b>	<b>226.1882</b>	<b>119.6802</b>	<b>345.8684</b>	<b>60.5598</b>	<b>119.4704</b>	<b>180.0302</b>		<b>12,080.7029</b>	<b>324,201.1744</b>	<b>336,281.8772</b>	<b>27.7477</b>	<b>1.1558</b>	<b>337,320.0082</b>

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

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	114.0612	531.3156	1,166.6660	3.0448	226.1882	3.5425	229.7307	60.5598	3.3327	63.8925		307,690.6474	307,690.6474	16.3167		308,098.5642
Unmitigated	114.0612	531.3156	1,166.6660	3.0448	226.1882	3.5425	229.7307	60.5598	3.3327	63.8925		307,690.6474	307,690.6474	16.3167		308,098.5642

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Low Rise	2,477.84	2,692.16	2282.32	7,044,991	7,044,991
Medical Office Building	8,309.90	2,060.80	356.50	12,293,430	12,293,430

General Office Building	4,350.56	970.30	414.15	7,898,906	7,898,906
Hospital	5,434.80	3,418.80	3019.80	12,093,028	12,093,028
Regional Shopping Center	27,584.20	32,280.62	16305.04	46,714,718	46,714,718
Single Family Housing	561.68	584.69	508.58	1,583,030	1,583,030
<b>Total</b>	<b>48,718.98</b>	<b>42,007.37</b>	<b>22,886.39</b>	<b>87,628,103</b>	<b>87,628,103</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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Apartments Low Rise	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
General Office Building	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Hospital	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Regional Shopping Center	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535
Single Family Housing	0.600819	0.039944	0.152792	0.114199	0.019665	0.005435	0.017326	0.034891	0.002097	0.001901	0.007823	0.001574	0.001535

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.3574	11,214.3574	0.2149	0.2056	11,280.9988
NaturalGas Unmitigated	1.0280	9.2202	6.9324	0.0561		0.7102	0.7102		0.7102	0.7102		11,214.3574	11,214.3574	0.2149	0.2056	11,280.9988

## 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 Low Rise	16832.2	0.1815	1.5512	0.6601	9.9000e-003		0.1254	0.1254		0.1254	0.1254		1,980.2590	1,980.2590	0.0380	0.0363	1,992.0267
General Office Building	11249.4	0.1213	1.1029	0.9264	6.6200e-003		0.0838	0.0838		0.0838	0.0838		1,323.4541	1,323.4541	0.0254	0.0243	1,331.3187
Hospital	53337.1	0.5752	5.2291	4.3925	0.0314		0.3974	0.3974		0.3974	0.3974		6,274.9503	6,274.9503	0.1203	0.1150	6,312.2392
Medical Office Building	6559.73	0.0707	0.6431	0.5402	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.7325	771.7325	0.0148	0.0142	776.3185
Regional Shopping Center	2902.58	0.0313	0.2846	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4795	341.4795	6.5500e-003	6.2600e-003	343.5087
Single Family Housing	4441.1	0.0479	0.4093	0.1742	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4821	522.4821	0.0100	9.5800e-003	525.5870
<b>Total</b>		<b>1.0280</b>	<b>9.2202</b>	<b>6.9324</b>	<b>0.0561</b>		<b>0.7103</b>	<b>0.7103</b>		<b>0.7103</b>	<b>0.7103</b>		<b>11,214.3574</b>	<b>11,214.3574</b>	<b>0.2149</b>	<b>0.2056</b>	<b>11,280.9988</b>

## Mitigated

	Natural Gas 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 Low Rise	16.8322	0.1815	1.5512	0.6601	9.9000e-003		0.1254	0.1254		0.1254	0.1254		1,980.2590	1,980.2590	0.0380	0.0363	1,992.0267
General Office Building	11.2494	0.1213	1.1029	0.9264	6.6200e-003		0.0838	0.0838		0.0838	0.0838		1,323.4541	1,323.4541	0.0254	0.0243	1,331.3187
Hospital	53.3371	0.5752	5.2291	4.3925	0.0314		0.3974	0.3974		0.3974	0.3974		6,274.9503	6,274.9503	0.1203	0.1150	6,312.2392
Medical Office Building	6.55973	0.0707	0.6431	0.5402	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.7325	771.7325	0.0148	0.0142	776.3185
Regional Shopping Center	2.90258	0.0313	0.2846	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4795	341.4795	6.5500e-003	6.2600e-003	343.5087
Single Family Housing	4.4411	0.0479	0.4093	0.1742	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4821	522.4821	0.0100	9.5800e-003	525.5870
<b>Total</b>		<b>1.0280</b>	<b>9.2202</b>	<b>6.9324</b>	<b>0.0561</b>		<b>0.7103</b>	<b>0.7103</b>		<b>0.7103</b>	<b>0.7103</b>		<b>11,214.3574</b>	<b>11,214.3574</b>	<b>0.2149</b>	<b>0.2056</b>	<b>11,280.9988</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.7029	5,131.4608	17,212.1637	11.2129	0.9502	17,775.6576
Unmitigated	724.8901	13.4201	858.0013	1.4907		115.4170	115.4170		115.4170	115.4170	12,080.7029	5,131.4608	17,212.1637	11.2129	0.9502	17,775.6576

## 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	14.1083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.9395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	665.7218	13.0008	821.7613	1.4888		115.2188	115.2188		115.2188	115.2188	12,080.70 29	5,066.470 6	17,147.173 5	11.1485	0.9502	17,709.05 66
Landscaping	1.1205	0.4194	36.2401	1.9100e-003		0.1982	0.1982		0.1982	0.1982		64.9902	64.9902	0.0644		66.6010
<b>Total</b>	<b>724.8901</b>	<b>13.4201</b>	<b>858.0013</b>	<b>1.4907</b>		<b>115.4170</b>	<b>115.4170</b>		<b>115.4170</b>	<b>115.4170</b>	<b>12,080.70 29</b>	<b>5,131.460 8</b>	<b>17,212.163 7</b>	<b>11.2129</b>	<b>0.9502</b>	<b>17,775.65 76</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.1083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.9395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	665.7218	13.0008	821.7613	1.4888		115.2188	115.2188		115.2188	115.2188	12,080.70 29	5,066.470 6	17,147.173 5	11.1485	0.9502	17,709.05 66
Landscaping	1.1205	0.4194	36.2401	1.9100e-003		0.1982	0.1982		0.1982	0.1982		64.9902	64.9902	0.0644		66.6010
<b>Total</b>	<b>724.8901</b>	<b>13.4201</b>	<b>858.0013</b>	<b>1.4907</b>		<b>115.4170</b>	<b>115.4170</b>		<b>115.4170</b>	<b>115.4170</b>	<b>12,080.70 29</b>	<b>5,131.460 8</b>	<b>17,212.163 7</b>	<b>11.2129</b>	<b>0.9502</b>	<b>17,775.65 76</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

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0	50	50	0.73	Diesel

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	2	0.7	270	45	CNG

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 10.1 Stationary Sources

### Unmitigated/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	
Equipment Type	lb/day										lb/day						
Boiler - CNG (5 - 75 MMBTU)	7.5500e-003	0.0154	0.1345	8.2000e-004		0.0104	0.0104		0.0104	0.0104			164.7087	164.7087	3.1600e-003		164.7876

Emergency Generator - Diesel (50-75 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>7.5500e-003</b>	<b>0.0154</b>	<b>0.1345</b>	<b>8.2000e-004</b>		<b>0.0104</b>	<b>0.0104</b>		<b>0.0104</b>	<b>0.0104</b>		<b>164.7087</b>	<b>164.7087</b>	<b>3.1600e-003</b>		<b>164.7876</b>

## 11.0 Vegetation

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**APPENDIX B.3**

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**Proposed Buildout (Summer)**



Lancaster Health District (All Sub Areas - Antelope Valley APCD Air District, Summer

**Lancaster Health District (All Sub Areas  
Antelope Valley APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	600.00	1000sqft	13.77	600,000.00	0
Hospital	300.00	Bed	4.93	700,000.00	0
Hospital	364.00	Bed	5.98	260,535.76	0
Unenclosed Parking with Elevator	1,100.00	Space	9.90	440,000.00	0
High Turnover (Sit Down Restaurant)	91.00	1000sqft	2.09	91,000.00	0
Hotel	180.00	Room	6.00	329,200.00	0
Apartments Low Rise	1,350.00	Dwelling Unit	84.38	1,350,000.00	3861
Congregate Care (Assisted Living)	400.00	Dwelling Unit	25.00	400,000.00	1144
Single Family Housing	250.00	Dwelling Unit	81.17	450,000.00	715
Regional Shopping Center	151.00	1000sqft	3.47	151,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9	<b>Operational Year</b>		2040	
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - According to Trip Generation estimates for the entire project

Construction Phase - Default construction assumption  
Paving and architectural coating to take place intermittently

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Demolition - Demolition of existing hospital and partial demolition of commercial uses.

Grading - Project description

Vehicle Trips - Based on weekday trip rates from Traffic Study; weekend trip rates adjusted based on default ratio for each land use

Woodstoves - No woodstoves

Water And Wastewater -

Solid Waste -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. Air Basin recommends Tier 3 with Level 3 DPF at the minimum

Mobile Land Use Mitigation - Metrolink station located approximately 1 mile to the east

Area Mitigation - AVAQMD Rule 1113 VOC limit of 50 grams per liter (g/L) for flats, 100 g/L for non-flat, and those used for traffic coating would meet the 100 g/L VOC limit

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Off-road Equipment - Short construction period

Trips and VMT - Haul trips are Round Trips

Table Name	Column Name	Default Value	New Value
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tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,260.00
tblConstructionPhase	NumDays	4,650.00	1,305.00
tblConstructionPhase	NumDays	465.00	270.00
tblConstructionPhase	NumDays	330.00	1,240.00
tblConstructionPhase	NumDays	180.00	267.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberWood	472.50	0.00
tblFireplaces	NumberWood	140.00	0.00
tblFireplaces	NumberWood	87.50	0.00
tblGrading	AcresOfGrading	1,350.00	675.00
tblGrading	AcresOfGrading	0.00	110.00
tblLandUse	LandUseSquareFeet	214,727.27	700,000.00
tblLandUse	LandUseSquareFeet	261,360.00	329,200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblSequestration	NumberOfNewTrees	0.00	500.00
tblTripsAndVMT	HaulingTripNumber	4,594.00	9,188.00
tblTripsAndVMT	WorkerTripNumber	30.00	15.00
tblTripsAndVMT	WorkerTripNumber	35.00	18.00
tblTripsAndVMT	WorkerTripNumber	40.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	15.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	2.74	4.27
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	127.15	112.18
tblVehicleTrips	WD_TR	12.94	22.32
tblVehicleTrips	WD_TR	8.17	8.36

tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44
tblWoodstoves	NumberCatalytic	67.50	0.00
tblWoodstoves	NumberCatalytic	20.00	0.00
tblWoodstoves	NumberCatalytic	12.50	0.00
tblWoodstoves	NumberNoncatalytic	67.50	0.00
tblWoodstoves	NumberNoncatalytic	20.00	0.00
tblWoodstoves	NumberNoncatalytic	12.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 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					
2021	6.6254	70.3285	45.2906	0.1047	4.4878	3.1220	7.6098	0.8077	2.9006	3.7083	0.0000	10,331.7030	10,331.7030	2.2048	0.0000	10,386.8241
2022	6.4162	66.2124	43.2451	0.1044	36.7173	3.2263	39.9436	19.9478	2.9682	22.9160	0.0000	10,295.2833	10,295.2833	2.3893	0.0000	10,350.1818
2023	6.7227	69.0770	56.7852	0.1258	36.7173	2.8503	39.2505	19.9478	2.6222	22.2783	0.0000	12,187.5704	12,187.5704	3.8936	0.0000	12,284.9094
2024	12.6568	81.7828	112.7969	0.4188	22.8565	2.6720	24.2688	6.9503	2.4583	9.4086	0.0000	42,406.3398	42,406.3398	3.8919	0.0000	42,464.8506
2025	109.8749	99.4028	153.5524	0.4981	26.6928	2.2059	28.8987	7.1775	2.0612	9.2387	0.0000	50,143.3359	50,143.3359	3.8377	0.0000	50,239.2794

2026	109.3629	98.6108	147.9567	0.4897	26.6928	2.2002	28.8930	7.1775	2.0559	9.2334	0.0000	49,305.39 73	49,305.397 3	3.7811	0.0000	49,399.92 35
2027	108.8637	97.8691	142.8646	0.4821	26.6929	2.1910	28.8839	7.1775	2.0474	9.2249	0.0000	48,557.91 21	48,557.912 1	3.7280	0.0000	48,651.11 28
2028	108.3469	97.2504	138.3336	0.4755	26.6929	2.1804	28.8733	7.1775	2.0376	9.2151	0.0000	47,896.05 44	47,896.054 4	3.6808	0.0000	47,988.07 53
2029	107.7923	96.6784	133.9145	0.4696	26.6930	2.1707	28.8637	7.1775	2.0287	9.2062	0.0000	47,311.04 68	47,311.046 8	3.6339	0.0000	47,401.89 28
<b>Maximum</b>	<b>109.8749</b>	<b>99.4028</b>	<b>153.5524</b>	<b>0.4981</b>	<b>36.7173</b>	<b>3.2263</b>	<b>39.9436</b>	<b>19.9478</b>	<b>2.9682</b>	<b>22.9160</b>	<b>0.0000</b>	<b>50,143.33 59</b>	<b>50,143.335 9</b>	<b>3.8936</b>	<b>0.0000</b>	<b>50,239.27 94</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.1443	44.0731	51.5083	0.1047	2.2078	0.2781	2.4859	0.4624	0.2773	0.7397	0.0000	10,331.70 30	10,331.703 0	2.2048	0.0000	10,386.82 41
2022	2.1267	43.4494	51.4047	0.1044	11.5575	0.2850	11.8426	6.2507	0.2849	6.5356	0.0000	10,295.28 33	10,295.283 3	2.3893	0.0000	10,350.18 18
2023	3.1254	60.0022	74.1281	0.1258	11.5575	0.3911	11.8425	6.2507	0.3910	6.5356	0.0000	12,187.57 04	12,187.570 4	3.8936	0.0000	12,284.90 94
2024	11.0615	83.3473	116.2108	0.4188	22.8565	0.4569	23.3133	6.1599	0.4437	6.6036	0.0000	42,406.33 98	42,406.339 8	3.8919	0.0000	42,464.85 06
2025	107.5566	108.7657	162.6126	0.4981	26.6928	0.6932	27.3860	7.1775	0.6780	7.8555	0.0000	50,143.33 59	50,143.335 9	3.8377	0.0000	50,239.27 94
2026	107.0446	107.9737	157.0168	0.4897	26.6928	0.6874	27.3803	7.1775	0.6727	7.8502	0.0000	49,305.39 73	49,305.397 3	3.7811	0.0000	49,399.92 35
2027	106.5455	107.2319	151.9248	0.4821	26.6929	0.6782	27.3711	7.1775	0.6642	7.8417	0.0000	48,557.91 21	48,557.912 1	3.7280	0.0000	48,651.11 28
2028	106.0286	106.6133	147.3938	0.4755	26.6929	0.6676	27.3605	7.1775	0.6544	7.8319	0.0000	47,896.05 44	47,896.054 4	3.6808	0.0000	47,988.07 53
2029	105.4740	106.0412	142.9747	0.4696	26.6930	0.6580	27.3509	7.1775	0.6455	7.8230	0.0000	47,311.04 68	47,311.046 8	3.6339	0.0000	47,401.89 28
<b>Maximum</b>	<b>107.5566</b>	<b>108.7657</b>	<b>162.6126</b>	<b>0.4981</b>	<b>26.6930</b>	<b>0.6932</b>	<b>27.3860</b>	<b>7.1775</b>	<b>0.6780</b>	<b>7.8555</b>	<b>0.0000</b>	<b>50,143.33 59</b>	<b>50,143.335 9</b>	<b>3.8936</b>	<b>0.0000</b>	<b>50,239.27 94</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	4.43	1.25	-8.25	0.00	22.46	78.98	27.07	34.15	77.75	42.91	0.00	0.00	0.00	0.00	0.00	0.00
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## 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	132.4059	20.1458	172.3250	0.1252		2.3913	2.3913		2.3913	2.3913	0.0000	23,591.8320	23,591.8320	0.7308	0.4271	23,737.3664
Energy	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220
Mobile	52.0739	360.7415	501.4446	2.7972	264.0972	1.0374	265.1346	70.6784	0.9651	71.6435		286,062.3859	286,062.3859	9.5468		286,301.0565
Stationary	0.0113	0.0231	0.2018	1.2400e-003		0.0157	0.0157		0.0157	0.0157		247.0630	247.0630	4.7400e-003		247.1814
<b>Total</b>	<b>188.3876</b>	<b>415.7801</b>	<b>699.6741</b>	<b>3.1362</b>	<b>264.0972</b>	<b>6.1365</b>	<b>270.2337</b>	<b>70.6784</b>	<b>6.0642</b>	<b>76.7426</b>	<b>0.0000</b>	<b>352,408.0067</b>	<b>352,408.0067</b>	<b>11.0971</b>	<b>1.2064</b>	<b>353,044.9264</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	123.3398	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160	0.0000	297.7143	297.7143	0.2844	0.0000	304.8235
Energy	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220
Mobile	50.8886	356.0153	474.9850	2.6508	247.2874	0.9809	248.2683	66.1797	0.9125	67.0922		271,153.7478	271,153.7478	9.1966		271,383.6634
Stationary	0.0113	0.0231	0.2018	1.2400e-003		0.0157	0.0157		0.0157	0.0157		247.0630	247.0630	4.7400e-003		247.1814



Total	178.1362	392.8068	665.4498	2.8733	247.2874	4.6046	251.8921	66.1797	4.5362	70.7160	0.0000	314,205.2510	314,205.2510	10.3004	0.7793	314,694.9903
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.44	5.53	4.89	8.38	6.37	24.96	6.79	6.36	25.20	7.85	0.00	10.84	10.84	7.18	35.40	10.86

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2021	8/24/2022	5	300	
2	Site Preparation	Site Preparation	8/25/2022	9/1/2023	5	267	
3	Grading	Grading	9/4/2023	9/13/2024	5	270	
4	Building Construction	Building Construction	9/16/2024	9/14/2029	5	1305	
5	Paving	Paving	1/6/2025	10/5/2029	5	1240	
6	Architectural Coating	Architectural Coating	3/3/2025	12/28/2029	5	1260	

Acres of Grading (Site Preparation Phase): 110

Acres of Grading (Grading Phase): 675

Acres of Paving: 9.9

Residential Indoor: 4,455,000; Residential Outdoor: 1,485,000; Non-Residential Indoor: 3,197,604; Non-Residential Outdoor: 1,065,868;

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38

Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	2	6.00	78	0.48

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	15.00	0.00	9,188.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	16	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	2,259.00	635.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	452.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 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					3.3140	0.0000	3.3140	0.5018	0.0000	0.5018			0.0000				0.0000
Off-Road	6.3302	62.8814	43.1301	0.0776		3.1027	3.1027		2.8822	2.8822		7,495.8899	7,495.8899	2.1098			7,548.6347
<b>Total</b>	<b>6.3302</b>	<b>62.8814</b>	<b>43.1301</b>	<b>0.0776</b>	<b>3.3140</b>	<b>3.1027</b>	<b>6.4167</b>	<b>0.5018</b>	<b>2.8822</b>	<b>3.3839</b>		<b>7,495.8899</b>	<b>7,495.8899</b>	<b>2.1098</b>			<b>7,548.6347</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.2277	7.4055	1.5607	0.0257	1.0506	0.0183	1.0689	0.2732	0.0175	0.2907		2,703.1019	2,703.1019	0.0904			2,705.3624
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0675	0.0417	0.5998	1.3300e-003	0.1232	1.0200e-003	0.1242	0.0327	9.4000e-004	0.0336		132.7113	132.7113	4.6300e-003			132.8271
<b>Total</b>	<b>0.2952</b>	<b>7.4472</b>	<b>2.1606</b>	<b>0.0271</b>	<b>1.1738</b>	<b>0.0193</b>	<b>1.1932</b>	<b>0.3059</b>	<b>0.0184</b>	<b>0.3243</b>		<b>2,835.8131</b>	<b>2,835.8131</b>	<b>0.0951</b>			<b>2,838.1894</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					1.0340	0.0000	1.0340	0.1566	0.0000	0.1566			0.0000			0.0000
Off-Road	1.8491	36.6259	49.3477	0.0776		0.2588	0.2588		0.2588	0.2588	0.0000	7,495.8899	7,495.8899	2.1098		7,548.6347
<b>Total</b>	<b>1.8491</b>	<b>36.6259</b>	<b>49.3477</b>	<b>0.0776</b>	<b>1.0340</b>	<b>0.2588</b>	<b>1.2928</b>	<b>0.1566</b>	<b>0.2588</b>	<b>0.4154</b>	<b>0.0000</b>	<b>7,495.8899</b>	<b>7,495.8899</b>	<b>2.1098</b>		<b>7,548.6347</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2277	7.4055	1.5607	0.0257	1.0506	0.0183	1.0689	0.2732	0.0175	0.2907		2,703.1019	2,703.1019	0.0904		2,705.3624
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0675	0.0417	0.5998	1.3300e-003	0.1232	1.0200e-003	0.1242	0.0327	9.4000e-004	0.0336		132.7113	132.7113	4.6300e-003		132.8271
<b>Total</b>	<b>0.2952</b>	<b>7.4472</b>	<b>2.1606</b>	<b>0.0271</b>	<b>1.1738</b>	<b>0.0193</b>	<b>1.1932</b>	<b>0.3059</b>	<b>0.0184</b>	<b>0.3243</b>		<b>2,835.8131</b>	<b>2,835.8131</b>	<b>0.0951</b>		<b>2,838.1894</b>

### **3.2 Demolition - 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					3.3140	0.0000	3.3140	0.5018	0.0000	0.5018			0.0000			0.0000

Off-Road	5.2783	51.4388	41.1881	0.0776		2.4853	2.4853		2.3105	2.3105		7,493.5624	7,493.5624	2.1049		7,546.1841
<b>Total</b>	<b>5.2783</b>	<b>51.4388</b>	<b>41.1881</b>	<b>0.0776</b>	<b>3.3140</b>	<b>2.4853</b>	<b>5.7993</b>	<b>0.5018</b>	<b>2.3105</b>	<b>2.8123</b>		<b>7,493.5624</b>	<b>7,493.5624</b>	<b>2.1049</b>		<b>7,546.1841</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2143	6.7857	1.5027	0.0254	0.8534	0.0151	0.8685	0.2248	0.0144	0.2392		2,673.6021	2,673.6021	0.0869		2,675.7737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0378	0.5543	1.2900e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		128.1189	128.1189	4.2100e-003		128.2241
<b>Total</b>	<b>0.2776</b>	<b>6.8235</b>	<b>2.0569</b>	<b>0.0267</b>	<b>0.9767</b>	<b>0.0161</b>	<b>0.9927</b>	<b>0.2575</b>	<b>0.0153</b>	<b>0.2728</b>		<b>2,801.7209</b>	<b>2,801.7209</b>	<b>0.0911</b>		<b>2,803.9978</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					1.0340	0.0000	1.0340	0.1566	0.0000	0.1566			0.0000			0.0000
Off-Road	1.8491	36.6259	49.3477	0.0776		0.2588	0.2588		0.2588	0.2588	0.0000	7,493.5623	7,493.5623	2.1049		7,546.1841
<b>Total</b>	<b>1.8491</b>	<b>36.6259</b>	<b>49.3477</b>	<b>0.0776</b>	<b>1.0340</b>	<b>0.2588</b>	<b>1.2928</b>	<b>0.1566</b>	<b>0.2588</b>	<b>0.4154</b>	<b>0.0000</b>	<b>7,493.5623</b>	<b>7,493.5623</b>	<b>2.1049</b>		<b>7,546.1841</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2143	6.7857	1.5027	0.0254	0.8534	0.0151	0.8685	0.2248	0.0144	0.2392		2,673.6021	2,673.6021	0.0869		2,675.7737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0378	0.5543	1.2900e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		128.1189	128.1189	4.2100e-003		128.2241
<b>Total</b>	<b>0.2776</b>	<b>6.8235</b>	<b>2.0569</b>	<b>0.0267</b>	<b>0.9767</b>	<b>0.0161</b>	<b>0.9927</b>	<b>0.2575</b>	<b>0.0153</b>	<b>0.2728</b>		<b>2,801.7209</b>	<b>2,801.7209</b>	<b>0.0911</b>		<b>2,803.9978</b>

### 3.3 Site Preparation - 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					36.5694	0.0000	36.5694	19.9085	0.0000	19.9085			0.0000			0.0000
Off-Road	6.3403	66.1670	39.3955	0.0761		3.2252	3.2252		2.9671	2.9671		7,372.1237	7,372.1237	2.3843		7,431.7311
<b>Total</b>	<b>6.3403</b>	<b>66.1670</b>	<b>39.3955</b>	<b>0.0761</b>	<b>36.5694</b>	<b>3.2252</b>	<b>39.7946</b>	<b>19.9085</b>	<b>2.9671</b>	<b>22.8757</b>		<b>7,372.1237</b>	<b>7,372.1237</b>	<b>2.3843</b>		<b>7,431.7311</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0759	0.0454	0.6651	1.5500e-003	0.1479	1.1800e-003	0.1491	0.0392	1.0900e-003	0.0403		153.7426	153.7426	5.0500e-003		153.8689
<b>Total</b>	<b>0.0759</b>	<b>0.0454</b>	<b>0.6651</b>	<b>1.5500e-003</b>	<b>0.1479</b>	<b>1.1800e-003</b>	<b>0.1491</b>	<b>0.0392</b>	<b>1.0900e-003</b>	<b>0.0403</b>		<b>153.7426</b>	<b>153.7426</b>	<b>5.0500e-003</b>		<b>153.8689</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					11.4097	0.0000	11.4097	6.2115	0.0000	6.2115			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		0.2839	0.2839		0.2839	0.2839	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311
<b>Total</b>	<b>1.8623</b>	<b>38.1312</b>	<b>45.9201</b>	<b>0.0761</b>	<b>11.4097</b>	<b>0.2839</b>	<b>11.6935</b>	<b>6.2115</b>	<b>0.2839</b>	<b>6.4953</b>	<b>0.0000</b>	<b>7,372.1237</b>	<b>7,372.1237</b>	<b>2.3843</b>		<b>7,431.7311</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0454	0.6651	1.5500e-003	0.1479	1.1800e-003	0.1491	0.0392	1.0900e-003	0.0403		153.7426	153.7426	5.0500e-003		153.8689
<b>Total</b>	<b>0.0759</b>	<b>0.0454</b>	<b>0.6651</b>	<b>1.5500e-003</b>	<b>0.1479</b>	<b>1.1800e-003</b>	<b>0.1491</b>	<b>0.0392</b>	<b>1.0900e-003</b>	<b>0.0403</b>		<b>153.7426</b>	<b>153.7426</b>	<b>5.0500e-003</b>		<b>153.8689</b>

### 3.3 Site Preparation - 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					36.5694	0.0000	36.5694	19.9085	0.0000	19.9085			0.0000				0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851			7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>36.5694</b>	<b>2.5320</b>	<b>39.1015</b>	<b>19.9085</b>	<b>2.3295</b>	<b>22.2380</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>			<b>7,434.2437</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0713	0.0412	0.6146	1.4900e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		148.1534	148.1534	4.5800e-003			148.2680
<b>Total</b>	<b>0.0713</b>	<b>0.0412</b>	<b>0.6146</b>	<b>1.4900e-003</b>	<b>0.1479</b>	<b>1.1500e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>148.1534</b>	<b>148.1534</b>	<b>4.5800e-003</b>			<b>148.2680</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					11.4097	0.0000	11.4097	6.2115	0.0000	6.2115			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		0.2839	0.2839		0.2839	0.2839	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>1.8623</b>	<b>38.1312</b>	<b>45.9201</b>	<b>0.0761</b>	<b>11.4097</b>	<b>0.2839</b>	<b>11.6935</b>	<b>6.2115</b>	<b>0.2839</b>	<b>6.4953</b>	<b>0.0000</b>	<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0412	0.6146	1.4900e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		148.1534	148.1534	4.5800e-003		148.2680
<b>Total</b>	<b>0.0713</b>	<b>0.0412</b>	<b>0.6146</b>	<b>1.4900e-003</b>	<b>0.1479</b>	<b>1.1500e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>148.1534</b>	<b>148.1534</b>	<b>4.5800e-003</b>		<b>148.2680</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					14.6954	0.0000	14.6954	6.9067	0.0000	6.9067			0.0000			0.0000

Off-Road	6.6435	69.0312	56.1023	0.1242		2.8490	2.8490		2.6211	2.6211		12,022.9555	12,022.9555	3.8885		12,120.1671
<b>Total</b>	<b>6.6435</b>	<b>69.0312</b>	<b>56.1023</b>	<b>0.1242</b>	<b>14.6954</b>	<b>2.8490</b>	<b>17.5444</b>	<b>6.9067</b>	<b>2.6211</b>	<b>9.5278</b>		<b>12,022.9555</b>	<b>12,022.9555</b>	<b>3.8885</b>		<b>12,120.1671</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0792	0.0458	0.6829	1.6500e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		164.6149	164.6149	5.0900e-003		164.7422
<b>Total</b>	<b>0.0792</b>	<b>0.0458</b>	<b>0.6829</b>	<b>1.6500e-003</b>	<b>0.1643</b>	<b>1.2800e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>164.6149</b>	<b>164.6149</b>	<b>5.0900e-003</b>		<b>164.7422</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					4.5850	0.0000	4.5850	2.1549	0.0000	2.1549			0.0000			0.0000
Off-Road	3.0462	59.9564	73.4452	0.1242		0.3898	0.3898		0.3898	0.3898	0.0000	12,022.9554	12,022.9554	3.8885		12,120.1671
<b>Total</b>	<b>3.0462</b>	<b>59.9564</b>	<b>73.4452</b>	<b>0.1242</b>	<b>4.5850</b>	<b>0.3898</b>	<b>4.9748</b>	<b>2.1549</b>	<b>0.3898</b>	<b>2.5447</b>	<b>0.0000</b>	<b>12,022.9554</b>	<b>12,022.9554</b>	<b>3.8885</b>		<b>12,120.1671</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0792	0.0458	0.6829	1.6500e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		164.6149	164.6149	5.0900e-003		164.7422
<b>Total</b>	<b>0.0792</b>	<b>0.0458</b>	<b>0.6829</b>	<b>1.6500e-003</b>	<b>0.1643</b>	<b>1.2800e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>164.6149</b>	<b>164.6149</b>	<b>5.0900e-003</b>		<b>164.7422</b>

### 3.4 Grading - 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					
Fugitive Dust					14.6954	0.0000	14.6954	6.9067	0.0000	6.9067			0.0000			0.0000
Off-Road	6.4363	64.7539	55.4456	0.1241		2.6708	2.6708		2.4571	2.4571		12,019.4974	12,019.4974	3.8874		12,116.6811
<b>Total</b>	<b>6.4363</b>	<b>64.7539</b>	<b>55.4456</b>	<b>0.1241</b>	<b>14.6954</b>	<b>2.6708</b>	<b>17.3662</b>	<b>6.9067</b>	<b>2.4571</b>	<b>9.3639</b>		<b>12,019.4974</b>	<b>12,019.4974</b>	<b>3.8874</b>		<b>12,116.6811</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0745	0.0417	0.6187	1.5900e-003	0.1643	1.2400e-003	0.1655	0.0436	1.1400e-003	0.0447		158.4894	158.4894	4.5800e-003		158.6039
<b>Total</b>	<b>0.0745</b>	<b>0.0417</b>	<b>0.6187</b>	<b>1.5900e-003</b>	<b>0.1643</b>	<b>1.2400e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1400e-003</b>	<b>0.0447</b>		<b>158.4894</b>	<b>158.4894</b>	<b>4.5800e-003</b>		<b>158.6039</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					4.5850	0.0000	4.5850	2.1549	0.0000	2.1549			0.0000				0.0000
Off-Road	3.0462	59.9564	73.4452	0.1241		0.3898	0.3898		0.3898	0.3898	0.0000	12,019.4973	12,019.4973	3.8874			12,116.6811
<b>Total</b>	<b>3.0462</b>	<b>59.9564</b>	<b>73.4452</b>	<b>0.1241</b>	<b>4.5850</b>	<b>0.3898</b>	<b>4.9748</b>	<b>2.1549</b>	<b>0.3898</b>	<b>2.5447</b>	<b>0.0000</b>	<b>12,019.4973</b>	<b>12,019.4973</b>	<b>3.8874</b>			<b>12,116.6811</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0745	0.0417	0.6187	1.5900e-003	0.1643	1.2400e-003	0.1655	0.0436	1.1400e-003	0.0447		158.4894	158.4894	4.5800e-003		158.6039
<b>Total</b>	<b>0.0745</b>	<b>0.0417</b>	<b>0.6187</b>	<b>1.5900e-003</b>	<b>0.1643</b>	<b>1.2400e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1400e-003</b>	<b>0.0447</b>		<b>158.4894</b>	<b>158.4894</b>	<b>4.5800e-003</b>		<b>158.6039</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	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3026	50.1896	10.5815	0.1851	4.2993	0.0460	4.3453	1.2377	0.0440	1.2817		19,393.5668	19,393.5668	0.6144		19,408.9256
Worker	8.4111	4.7056	69.8817	0.1798	18.5572	0.1398	18.6969	4.9222	0.1287	5.0509		17,901.3752	17,901.3752	0.5174		17,914.3096
<b>Total</b>	<b>9.7137</b>	<b>54.8952</b>	<b>80.4633</b>	<b>0.3649</b>	<b>22.8565</b>	<b>0.1858</b>	<b>23.0422</b>	<b>6.1599</b>	<b>0.1727</b>	<b>6.3326</b>		<b>37,294.9420</b>	<b>37,294.9420</b>	<b>1.1317</b>		<b>37,323.2352</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3026	50.1896	10.5815	0.1851	4.2993	0.0460	4.3453	1.2377	0.0440	1.2817		19,393.5668	19,393.5668	0.6144		19,408.9256
Worker	8.4111	4.7056	69.8817	0.1798	18.5572	0.1398	18.6969	4.9222	0.1287	5.0509		17,901.3752	17,901.3752	0.5174		17,914.3096
<b>Total</b>	<b>9.7137</b>	<b>54.8952</b>	<b>80.4633</b>	<b>0.3649</b>	<b>22.8565</b>	<b>0.1858</b>	<b>23.0422</b>	<b>6.1599</b>	<b>0.1727</b>	<b>6.3326</b>		<b>37,294.9420</b>	<b>37,294.9420</b>	<b>1.1317</b>		<b>37,323.2352</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>
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**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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2760	49.8039	10.2273	0.1841	4.2994	0.0456	4.3449	1.2377	0.0435	1.2812		19,288.6945	19,288.6945	0.6061		19,303.8466
Worker	7.9669	4.3136	64.9538	0.1728	18.5572	0.1369	18.6941	4.9222	0.1260	5.0483		17,207.9336	17,207.9336	0.4737		17,219.7764
<b>Total</b>	<b>9.2428</b>	<b>54.1174</b>	<b>75.1810</b>	<b>0.3569</b>	<b>22.8565</b>	<b>0.1825</b>	<b>23.0390</b>	<b>6.1599</b>	<b>0.1696</b>	<b>6.3295</b>		<b>36,496.6281</b>	<b>36,496.6281</b>	<b>1.0798</b>		<b>36,523.6229</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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2760	49.8039	10.2273	0.1841	4.2994	0.0456	4.3449	1.2377	0.0435	1.2812		19,288.6945	19,288.6945	0.6061		19,303.8466
Worker	7.9669	4.3136	64.9538	0.1728	18.5572	0.1369	18.6941	4.9222	0.1260	5.0483		17,207.9336	17,207.9336	0.4737		17,219.7764
<b>Total</b>	<b>9.2428</b>	<b>54.1174</b>	<b>75.1810</b>	<b>0.3569</b>	<b>22.8565</b>	<b>0.1825</b>	<b>23.0390</b>	<b>6.1599</b>	<b>0.1696</b>	<b>6.3295</b>		<b>36,496.6281</b>	<b>36,496.6281</b>	<b>1.0798</b>		<b>36,523.6229</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

#### Unmitigated Construction Off-Site

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



Hauling	0.0000	0.0000	0.0000	0.0000	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	1.2517	49.4262	9.9292	0.1832	4.2994	0.0450	4.3444	1.2377	0.0430	1.2808	19,192.4850	19,192.4850	0.5972		19,207.4150	
Worker	7.5626	3.9702	60.5637	0.1666	18.5572	0.1326	18.6897	4.9222	0.1220	5.0443	16,593.2725	16,593.2725	0.4341		16,604.1248	
<b>Total</b>	<b>8.8144</b>	<b>53.3964</b>	<b>70.4929</b>	<b>0.3498</b>	<b>22.8566</b>	<b>0.1776</b>	<b>23.0342</b>	<b>6.1599</b>	<b>0.1651</b>	<b>6.3250</b>	<b>35,785.7575</b>	<b>35,785.7575</b>	<b>1.0313</b>		<b>35,811.5399</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2517	49.4262	9.9292	0.1832	4.2994	0.0450	4.3444	1.2377	0.0430	1.2808	19,192.4850	19,192.4850	0.5972			19,207.4150
Worker	7.5626	3.9702	60.5637	0.1666	18.5572	0.1326	18.6897	4.9222	0.1220	5.0443	16,593.2725	16,593.2725	0.4341			16,604.1248
<b>Total</b>	<b>8.8144</b>	<b>53.3964</b>	<b>70.4929</b>	<b>0.3498</b>	<b>22.8566</b>	<b>0.1776</b>	<b>23.0342</b>	<b>6.1599</b>	<b>0.1651</b>	<b>6.3250</b>	<b>35,785.7575</b>	<b>35,785.7575</b>	<b>1.0313</b>			<b>35,811.5399</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2322	49.0680	9.6996	0.1824	4.2995	0.0444	4.3439	1.2377	0.0425	1.2802		19,109.5652	19,109.5652	0.5884		19,124.2748
Worker	7.1652	3.6523	56.5342	0.1610	18.5572	0.1255	18.6826	4.9222	0.1154	5.0377		16,042.5560	16,042.5560	0.3975		16,052.4926
<b>Total</b>	<b>8.3974</b>	<b>52.7204</b>	<b>66.2339</b>	<b>0.3434</b>	<b>22.8566</b>	<b>0.1699</b>	<b>23.0265</b>	<b>6.1600</b>	<b>0.1579</b>	<b>6.3179</b>		<b>35,152.1212</b>	<b>35,152.1212</b>	<b>0.9858</b>		<b>35,176.7674</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2322	49.0680	9.6996	0.1824	4.2995	0.0444	4.3439	1.2377	0.0425	1.2802		19,109.5652	19,109.5652	0.5884		19,124.2748
Worker	7.1652	3.6523	56.5342	0.1610	18.5572	0.1255	18.6826	4.9222	0.1154	5.0377		16,042.5560	16,042.5560	0.3975		16,052.4926
<b>Total</b>	<b>8.3974</b>	<b>52.7204</b>	<b>66.2339</b>	<b>0.3434</b>	<b>22.8566</b>	<b>0.1699</b>	<b>23.0265</b>	<b>6.1600</b>	<b>0.1579</b>	<b>6.3179</b>		<b>35,152.1212</b>	<b>35,152.1212</b>	<b>0.9858</b>		<b>35,176.7674</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>
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**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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2157	48.8021	9.5003	0.1817	4.2995	0.0441	4.3436	1.2377	0.0422	1.2799		19,038.9031	19,038.9031	0.5795		19,053.3915
Worker	6.7506	3.3601	52.9446	0.1561	18.5572	0.1169	18.6741	4.9222	0.1076	5.0298		15,552.6400	15,552.6400	0.3657		15,561.7823
<b>Total</b>	<b>7.9663</b>	<b>52.1622</b>	<b>62.4449</b>	<b>0.3378</b>	<b>22.8566</b>	<b>0.1610</b>	<b>23.0177</b>	<b>6.1600</b>	<b>0.1497</b>	<b>6.3097</b>		<b>34,591.5431</b>	<b>34,591.5431</b>	<b>0.9452</b>		<b>34,615.1738</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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2157	48.8021	9.5003	0.1817	4.2995	0.0441	4.3436	1.2377	0.0422	1.2799		19,038.9031	19,038.9031	0.5795		19,053.3915
Worker	6.7506	3.3601	52.9446	0.1561	18.5572	0.1169	18.6741	4.9222	0.1076	5.0298		15,552.6400	15,552.6400	0.3657		15,561.7823
<b>Total</b>	<b>7.9663</b>	<b>52.1622</b>	<b>62.4449</b>	<b>0.3378</b>	<b>22.8566</b>	<b>0.1610</b>	<b>23.0177</b>	<b>6.1600</b>	<b>0.1497</b>	<b>6.3097</b>		<b>34,591.5431</b>	<b>34,591.5431</b>	<b>0.9452</b>		<b>34,615.1738</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	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	1.2026	48.5697	9.3374	0.1811	4.2995	0.0438	4.3433	1.2378	0.0418	1.2796		18,981.7511	18,981.7511	0.5704		18,996.0115
Worker	6.3018	3.0786	49.4175	0.1517	18.5572	0.1092	18.6664	4.9222	0.1005	5.0227		15,115.2131	15,115.2131	0.3343		15,123.5706
<b>Total</b>	<b>7.5044</b>	<b>51.6483</b>	<b>58.7549</b>	<b>0.3328</b>	<b>22.8567</b>	<b>0.1530</b>	<b>23.0096</b>	<b>6.1600</b>	<b>0.1423</b>	<b>6.3023</b>		<b>34,096.9642</b>	<b>34,096.9642</b>	<b>0.9047</b>		<b>34,119.5821</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2026	48.5697	9.3374	0.1811	4.2995	0.0438	4.3433	1.2378	0.0418	1.2796		18,981.7511	18,981.7511	0.5704		18,996.0115
Worker	6.3018	3.0786	49.4175	0.1517	18.5572	0.1092	18.6664	4.9222	0.1005	5.0227		15,115.2131	15,115.2131	0.3343		15,123.5706
<b>Total</b>	<b>7.5044</b>	<b>51.6483</b>	<b>58.7549</b>	<b>0.3328</b>	<b>22.8567</b>	<b>0.1530</b>	<b>23.0096</b>	<b>6.1600</b>	<b>0.1423</b>	<b>6.3023</b>		<b>34,096.9642</b>	<b>34,096.9642</b>	<b>0.9047</b>		<b>34,119.5821</b>

### 3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0286	0.4313	1.1500e-003	0.1232	9.1000e-004	0.1241	0.0327	8.4000e-004	0.0335		114.2625	114.2625	3.1500e-003		114.3411
<b>Total</b>	<b>0.0529</b>	<b>0.0286</b>	<b>0.4313</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>9.1000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.4000e-004</b>	<b>0.0335</b>		<b>114.2625</b>	<b>114.2625</b>	<b>3.1500e-003</b>		<b>114.3411</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0286	0.4313	1.1500e-003	0.1232	9.1000e-004	0.1241	0.0327	8.4000e-004	0.0335		114.2625	114.2625	3.1500e-003		114.3411
<b>Total</b>	<b>0.0529</b>	<b>0.0286</b>	<b>0.4313</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>9.1000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.4000e-004</b>	<b>0.0335</b>		<b>114.2625</b>	<b>114.2625</b>	<b>3.1500e-003</b>		<b>114.3411</b>

### **3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756



Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>			<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>	<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0264	0.4022	1.1100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		110.1811	110.1811	2.8800e-003		110.2532
<b>Total</b>	<b>0.0502</b>	<b>0.0264</b>	<b>0.4022</b>	<b>1.1100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>110.1811</b>	<b>110.1811</b>	<b>2.8800e-003</b>		<b>110.2532</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0264	0.4022	1.1100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		110.1811	110.1811	2.8800e-003		110.2532
<b>Total</b>	<b>0.0502</b>	<b>0.0264</b>	<b>0.4022</b>	<b>1.1100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>110.1811</b>	<b>110.1811</b>	<b>2.8800e-003</b>		<b>110.2532</b>

### 3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0243	0.3754	1.0700e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		106.5243	106.5243	2.6400e-003		106.5903
<b>Total</b>	<b>0.0476</b>	<b>0.0243</b>	<b>0.3754</b>	<b>1.0700e-003</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>106.5243</b>	<b>106.5243</b>	<b>2.6400e-003</b>		<b>106.5903</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0476	0.0243	0.3754	1.0700e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		106.5243	106.5243	2.6400e-003		106.5903
<b>Total</b>	<b>0.0476</b>	<b>0.0243</b>	<b>0.3754</b>	<b>1.0700e-003</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>106.5243</b>	<b>106.5243</b>	<b>2.6400e-003</b>		<b>106.5903</b>

### 3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0223	0.3516	1.0400e-003	0.1232	7.8000e-004	0.1240	0.0327	7.1000e-004	0.0334		103.2712	103.2712	2.4300e-003		103.3319
<b>Total</b>	<b>0.0448</b>	<b>0.0223</b>	<b>0.3516</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>7.8000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.1000e-004</b>	<b>0.0334</b>		<b>103.2712</b>	<b>103.2712</b>	<b>2.4300e-003</b>		<b>103.3319</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0223	0.3516	1.0400e-003	0.1232	7.8000e-004	0.1240	0.0327	7.1000e-004	0.0334		103.2712	103.2712	2.4300e-003		103.3319
<b>Total</b>	<b>0.0448</b>	<b>0.0223</b>	<b>0.3516</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>7.8000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.1000e-004</b>	<b>0.0334</b>		<b>103.2712</b>	<b>103.2712</b>	<b>2.4300e-003</b>		<b>103.3319</b>

### **3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>			<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>	<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0418	0.0204	0.3281	1.0100e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		100.3666	100.3666	2.2200e-003		100.4221
<b>Total</b>	<b>0.0418</b>	<b>0.0204</b>	<b>0.3281</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>100.3666</b>	<b>100.3666</b>	<b>2.2200e-003</b>		<b>100.4221</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0418	0.0204	0.3281	1.0100e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		100.3666	100.3666	2.2200e-003		100.4221
<b>Total</b>	<b>0.0418</b>	<b>0.0204</b>	<b>0.3281</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>100.3666</b>	<b>100.3666</b>	<b>2.2200e-003</b>		<b>100.4221</b>

**3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5941	0.8631	12.9965	0.0346	3.7131	0.0274	3.7405	0.9849	0.0252	1.0101		3,443.1102	3,443.1102	0.0948		3,445.4798
<b>Total</b>	<b>1.5941</b>	<b>0.8631</b>	<b>12.9965</b>	<b>0.0346</b>	<b>3.7131</b>	<b>0.0274</b>	<b>3.7405</b>	<b>0.9849</b>	<b>0.0252</b>	<b>1.0101</b>		<b>3,443.1102</b>	<b>3,443.1102</b>	<b>0.0948</b>		<b>3,445.4798</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.5941	0.8631	12.9965	0.0346	3.7131	0.0274	3.7405	0.9849	0.0252	1.0101		3,443.1102	3,443.1102	0.0948		3,445.4798
<b>Total</b>	<b>1.5941</b>	<b>0.8631</b>	<b>12.9965</b>	<b>0.0346</b>	<b>3.7131</b>	<b>0.0274</b>	<b>3.7405</b>	<b>0.9849</b>	<b>0.0252</b>	<b>1.0101</b>		<b>3,443.1102</b>	<b>3,443.1102</b>	<b>0.0948</b>		<b>3,445.4798</b>



### 3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.5132	0.7944	12.1181	0.0333	3.7131	0.0265	3.7396	0.9849	0.0244	1.0093		3,320.1236	3,320.1236	0.0869		3,322.2950
<b>Total</b>	<b>1.5132</b>	<b>0.7944</b>	<b>12.1181</b>	<b>0.0333</b>	<b>3.7131</b>	<b>0.0265</b>	<b>3.7396</b>	<b>0.9849</b>	<b>0.0244</b>	<b>1.0093</b>		<b>3,320.1236</b>	<b>3,320.1236</b>	<b>0.0869</b>		<b>3,322.2950</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.5132	0.7944	12.1181	0.0333	3.7131	0.0265	3.7396	0.9849	0.0244	1.0093		3,320.1236	3,320.1236	0.0869		3,322.2950
<b>Total</b>	<b>1.5132</b>	<b>0.7944</b>	<b>12.1181</b>	<b>0.0333</b>	<b>3.7131</b>	<b>0.0265</b>	<b>3.7396</b>	<b>0.9849</b>	<b>0.0244</b>	<b>1.0093</b>		<b>3,320.1236</b>	<b>3,320.1236</b>	<b>0.0869</b>		<b>3,322.2950</b>

### **3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4337	0.7308	11.3119	0.0322	3.7131	0.0251	3.7382	0.9849	0.0231	1.0080		3,209.9315	3,209.9315	0.0795		3,211.9197
<b>Total</b>	<b>1.4337</b>	<b>0.7308</b>	<b>11.3119</b>	<b>0.0322</b>	<b>3.7131</b>	<b>0.0251</b>	<b>3.7382</b>	<b>0.9849</b>	<b>0.0231</b>	<b>1.0080</b>		<b>3,209.9315</b>	<b>3,209.9315</b>	<b>0.0795</b>		<b>3,211.9197</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4337	0.7308	11.3119	0.0322	3.7131	0.0251	3.7382	0.9849	0.0231	1.0080		3,209.9315	3,209.9315	0.0795		3,211.9197
<b>Total</b>	<b>1.4337</b>	<b>0.7308</b>	<b>11.3119</b>	<b>0.0322</b>	<b>3.7131</b>	<b>0.0251</b>	<b>3.7382</b>	<b>0.9849</b>	<b>0.0231</b>	<b>1.0080</b>		<b>3,209.9315</b>	<b>3,209.9315</b>	<b>0.0795</b>		<b>3,211.9197</b>

**3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3507	0.6723	10.5936	0.0312	3.7131	0.0234	3.7365	0.9849	0.0215	1.0064	3,111.9050	3,111.9050	0.0732	3,113.7342		
<b>Total</b>	<b>1.3507</b>	<b>0.6723</b>	<b>10.5936</b>	<b>0.0312</b>	<b>3.7131</b>	<b>0.0234</b>	<b>3.7365</b>	<b>0.9849</b>	<b>0.0215</b>	<b>1.0064</b>	<b>3,111.9050</b>	<b>3,111.9050</b>	<b>0.0732</b>	<b>3,113.7342</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.3507	0.6723	10.5936	0.0312	3.7131	0.0234	3.7365	0.9849	0.0215	1.0064	3,111.9050	3,111.9050	0.0732	3,113.7342		
<b>Total</b>	<b>1.3507</b>	<b>0.6723</b>	<b>10.5936</b>	<b>0.0312</b>	<b>3.7131</b>	<b>0.0234</b>	<b>3.7365</b>	<b>0.9849</b>	<b>0.0215</b>	<b>1.0064</b>	<b>3,111.9050</b>	<b>3,111.9050</b>	<b>0.0732</b>	<b>3,113.7342</b>		

### 3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2609	0.6160	9.8879	0.0304	3.7131	0.0219	3.7349	0.9849	0.0201	1.0050		3,024.3809	3,024.3809	0.0669		3,026.0531
<b>Total</b>	<b>1.2609</b>	<b>0.6160</b>	<b>9.8879</b>	<b>0.0304</b>	<b>3.7131</b>	<b>0.0219</b>	<b>3.7349</b>	<b>0.9849</b>	<b>0.0201</b>	<b>1.0050</b>		<b>3,024.3809</b>	<b>3,024.3809</b>	<b>0.0669</b>		<b>3,026.0531</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2609	0.6160	9.8879	0.0304	3.7131	0.0219	3.7349	0.9849	0.0201	1.0050		3,024.3809	3,024.3809	0.0669		3,026.0531
<b>Total</b>	<b>1.2609</b>	<b>0.6160</b>	<b>9.8879</b>	<b>0.0304</b>	<b>3.7131</b>	<b>0.0219</b>	<b>3.7349</b>	<b>0.9849</b>	<b>0.0201</b>	<b>1.0050</b>		<b>3,024.3809</b>	<b>3,024.3809</b>	<b>0.0669</b>		<b>3,026.0531</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

#### Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	50.8886	356.0153	474.9850	2.6508	247.2874	0.9809	248.2683	66.1797	0.9125	67.0922		271,153.7478	271,153.7478	9.1966		271,383.6634

Unmitigated	52.0739	360.7415	501.4446	2.7972	264.0972	1.0374	265.1346	70.6784	0.9651	71.6435	286,062.3859	286,062.3859	9.5468	286,301.0565
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#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	9,882.00	9,666.00	8194.50	27,293,756	25,556,509
Congregate Care (Assisted Living)	1,708.00	880.00	976.00	4,217,984	3,949,509
General Office Building	5,844.00	1,476.00	630.00	10,694,485	10,013,781
High Turnover (Sit Down Restaurant)	10,208.38	14,411.67	11997.44	12,837,666	12,020,549
Hospital	6,696.00	2,442.00	2157.00	13,699,935	12,827,934
Hospital	8,124.48	2,962.96	2617.16	16,622,587	15,564,560
Hotel	1,504.80	1,474.20	1071.00	2,732,969	2,559,015
Regional Shopping Center	5,700.25	7,545.47	3811.24	9,983,308	9,347,870
Single Family Housing	2,360.00	2,477.50	2155.00	6,667,182	6,242,816
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>52,027.91</b>	<b>43,335.80</b>	<b>33,609.34</b>	<b>104,749,872</b>	<b>98,082,542</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
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Congregate Care (Assisted Living)	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520



Apartments Low Rise	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Congregate Care (Assisted Living)	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
General Office Building	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
High Turnover (Sit Down Restaurant)	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Hospital	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Hotel	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Regional Shopping Center	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Single Family Housing	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Unenclosed Parking with Elevator	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220
NaturalGas Unmitigated	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	Natural Gas 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 Low Rise	60434.8	0.6518	5.5695	2.3700	0.0356		0.4503	0.4503		0.4503	0.4503		7,109.9724	7,109.9724	0.1363	0.1304	7,152.2235
Congregate Care (Assisted Living)	14680.7	0.1583	1.3529	0.5757	8.6400e-003		0.1094	0.1094		0.1094	0.1094		1,727.1452	1,727.1452	0.0331	0.0317	1,737.4088
General Office Building	17112.3	0.1845	1.6777	1.4093	0.0101		0.1275	0.1275		0.1275	0.1275		2,013.2152	2,013.2152	0.0386	0.0369	2,025.1787
High Turnover (Sit Down Restaurant)	57531.9	0.6204	5.6404	4.7379	0.0338		0.4287	0.4287		0.4287	0.4287		6,768.4641	6,768.4641	0.1297	0.1241	6,808.6857
Hospital	124197	1.3394	12.1762	10.2280	0.0731		0.9254	0.9254		0.9254	0.9254		14,611.4424	14,611.4424	0.2801	0.2679	14,698.2709
Hospital	46225.5	0.4985	4.5319	3.8068	0.0272		0.3444	0.3444		0.3444	0.3444		5,438.2904	5,438.2904	0.1042	0.0997	5,470.6074
Hotel	21628	0.2332	2.1204	1.7811	0.0127		0.1612	0.1612		0.1612	0.1612		2,544.4693	2,544.4693	0.0488	0.0467	2,559.5898
Regional Shopping Center	678.466	7.3200e-003	0.0665	0.0559	4.0000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003		79.8195	79.8195	1.5300e-003	1.4600e-003	80.2938
Single Family Housing	18818.2	0.2029	1.7342	0.7380	0.0111		0.1402	0.1402		0.1402	0.1402		2,213.9073	2,213.9073	0.0424	0.0406	2,227.0635
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.8964</b>	<b>34.8697</b>	<b>25.7027</b>	<b>0.2125</b>		<b>2.6921</b>	<b>2.6921</b>		<b>2.6921</b>	<b>2.6921</b>		<b>42,506.7258</b>	<b>42,506.7258</b>	<b>0.8147</b>	<b>0.7793</b>	<b>42,759.3220</b>

**Mitigated**

	Natural Gas 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 Low Rise	60.4348	0.6518	5.5695	2.3700	0.0356		0.4503	0.4503		0.4503	0.4503		7,109.9724	7,109.9724	0.1363	0.1304	7,152.2235

Congregate Care (Assisted Living)	14.6807	0.1583	1.3529	0.5757	8.6400e-003		0.1094	0.1094		0.1094	0.1094		1,727.1452	1,727.1452	0.0331	0.0317	1,737.4088
General Office Building	17.1123	0.1845	1.6777	1.4093	0.0101		0.1275	0.1275		0.1275	0.1275		2,013.2152	2,013.2152	0.0386	0.0369	2,025.1787
High Turnover (Sit Down Restaurant)	57.5319	0.6204	5.6404	4.7379	0.0338		0.4287	0.4287		0.4287	0.4287		6,768.4641	6,768.4641	0.1297	0.1241	6,808.6857
Hospital	124.197	1.3394	12.1762	10.2280	0.0731		0.9254	0.9254		0.9254	0.9254		14,611.4424	14,611.4424	0.2801	0.2679	14,698.2709
Hospital	46.2255	0.4985	4.5319	3.8068	0.0272		0.3444	0.3444		0.3444	0.3444		5,438.2904	5,438.2904	0.1042	0.0997	5,470.6074
Hotel	21.628	0.2332	2.1204	1.7811	0.0127		0.1612	0.1612		0.1612	0.1612		2,544.4693	2,544.4693	0.0488	0.0467	2,559.5898
Regional Shopping Center	0.678466	7.3200e-003	0.0665	0.0559	4.0000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003		79.8195	79.8195	1.5300e-003	1.4600e-003	80.2938
Single Family Housing	18.8182	0.2029	1.7342	0.7380	0.0111		0.1402	0.1402		0.1402	0.1402		2,213.9073	2,213.9073	0.0424	0.0406	2,227.0635
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.8964</b>	<b>34.8697</b>	<b>25.7027</b>	<b>0.2125</b>		<b>2.6921</b>	<b>2.6921</b>		<b>2.6921</b>	<b>2.6921</b>		<b>42,506.7258</b>	<b>42,506.7258</b>	<b>0.8147</b>	<b>0.7793</b>	<b>42,759.3220</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

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

Category	lb/day										lb/day					
	Mitigated	123.3398	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160	0.0000	297.7143	297.7143	0.2844	0.0000
Unmitigated	132.4059	20.1458	172.3250	0.1252		2.3913	2.3913		2.3913	2.3913	0.0000	23,591.8320	23,591.8320	0.7308	0.4271	23,737.3664

## 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	32.4763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	92.8550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.1353	18.2471	7.7647	0.1165		1.4753	1.4753		1.4753	1.4753	0.0000	23,294.1177	23,294.1177	0.4465	0.4271	23,432.5429
Landscaping	4.9393	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160		297.7143	297.7143	0.2844		304.8235
<b>Total</b>	<b>132.4059</b>	<b>20.1458</b>	<b>172.3250</b>	<b>0.1252</b>		<b>2.3913</b>	<b>2.3913</b>		<b>2.3913</b>	<b>2.3913</b>	<b>0.0000</b>	<b>23,591.8320</b>	<b>23,591.8320</b>	<b>0.7308</b>	<b>0.4271</b>	<b>23,737.3664</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	32.4763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	85.9242					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	0.0000	0.0000
Landscaping	4.9393	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160		297.7143	297.7143	0.2844		304.8235
<b>Total</b>	<b>123.3398</b>	<b>1.8987</b>	<b>164.5603</b>	<b>8.7300e-003</b>		<b>0.9160</b>	<b>0.9160</b>		<b>0.9160</b>	<b>0.9160</b>	<b>0.0000</b>	<b>297.7143</b>	<b>297.7143</b>	<b>0.2844</b>	<b>0.0000</b>	<b>304.8235</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0	50	50	0.73	Diesel

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	3	0.7	270	45	CNG

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.0113	0.0231	0.2018	1.2400e-003		0.0157	0.0157		0.0157	0.0157		247.0630	247.0630	4.7400e-003		247.1814
Emergency Generator - Diesel (50 - 75 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0113</b>	<b>0.0231</b>	<b>0.2018</b>	<b>1.2400e-003</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0157</b>	<b>0.0157</b>		<b>247.0630</b>	<b>247.0630</b>	<b>4.7400e-003</b>		<b>247.1814</b>

**11.0 Vegetation**

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**APPENDIX B.4**

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**Proposed Buildout (Winter)**

Lancaster Health District (All Sub Areas - Antelope Valley APCD Air District, Winter

**Lancaster Health District (All Sub Areas  
Antelope Valley APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	600.00	1000sqft	13.77	600,000.00	0
Hospital	300.00	Bed	4.93	700,000.00	0
Hospital	364.00	Bed	5.98	260,535.76	0
Unenclosed Parking with Elevator	1,100.00	Space	9.90	440,000.00	0
High Turnover (Sit Down Restaurant)	91.00	1000sqft	2.09	91,000.00	0
Hotel	180.00	Room	6.00	329,200.00	0
Apartments Low Rise	1,350.00	Dwelling Unit	84.38	1,350,000.00	3861
Congregate Care (Assisted Living)	400.00	Dwelling Unit	25.00	400,000.00	1144
Single Family Housing	250.00	Dwelling Unit	81.17	450,000.00	715
Regional Shopping Center	151.00	1000sqft	3.47	151,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9	<b>Operational Year</b>		2040	
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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



Project Characteristics -

Land Use - According to Trip Generation estimates for the entire project

Construction Phase - Default construction assumption  
Paving and architectural coating to take place intermittently

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Off-road Equipment - Short construction period

Demolition - Demolition of existing hospital and partial demolition of commercial uses.

Grading - Project description

Vehicle Trips - Based on weekday trip rates from Traffic Study; weekend trip rates adjusted based on default ratio for each land use

Woodstoves - No woodstoves

Water And Wastewater -

Solid Waste -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. Air Basin recommends Tier 3 with Level 3 DPF at the minimum

Mobile Land Use Mitigation - Metrolink station located approximately 1 mile to the east

Area Mitigation - AVAQMD Rule 1113 VOC limit of 50 grams per liter (g/L) for flats, 100 g/L for non-flat, and those used for traffic coating would meet the 100 g/L VOC limit

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Off-road Equipment - Short construction period

Trips and VMT - Haul trips are Round Trips

Table Name	Column Name	Default Value	New Value
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tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,260.00
tblConstructionPhase	NumDays	4,650.00	1,305.00
tblConstructionPhase	NumDays	465.00	270.00
tblConstructionPhase	NumDays	330.00	1,240.00
tblConstructionPhase	NumDays	180.00	267.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberWood	472.50	0.00
tblFireplaces	NumberWood	140.00	0.00
tblFireplaces	NumberWood	87.50	0.00
tblGrading	AcresOfGrading	1,350.00	675.00
tblGrading	AcresOfGrading	0.00	110.00
tblLandUse	LandUseSquareFeet	214,727.27	700,000.00
tblLandUse	LandUseSquareFeet	261,360.00	329,200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblSequestration	NumberOfNewTrees	0.00	500.00
tblTripsAndVMT	HaulingTripNumber	4,594.00	9,188.00
tblTripsAndVMT	WorkerTripNumber	30.00	15.00
tblTripsAndVMT	WorkerTripNumber	35.00	18.00
tblTripsAndVMT	WorkerTripNumber	40.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	15.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	2.74	4.27
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	127.15	112.18
tblVehicleTrips	WD_TR	12.94	22.32
tblVehicleTrips	WD_TR	8.17	8.36

tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44
tblWoodstoves	NumberCatalytic	67.50	0.00
tblWoodstoves	NumberCatalytic	20.00	0.00
tblWoodstoves	NumberCatalytic	12.50	0.00
tblWoodstoves	NumberNoncatalytic	67.50	0.00
tblWoodstoves	NumberNoncatalytic	20.00	0.00
tblWoodstoves	NumberNoncatalytic	12.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 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					
2021	6.6298	70.3645	45.3400	0.1038	4.4878	3.1222	7.6101	0.8077	2.9008	3.7085	0.0000	10,238.8785	10,238.8785	2.2122	0.0000	10,294.1845
2022	6.4109	66.2150	43.2961	0.1035	36.7173	3.2263	39.9436	19.9478	2.9682	22.9160	0.0000	10,202.5948	10,202.5948	2.3887	0.0000	10,257.6776
2023	6.7172	69.0796	56.6491	0.1256	36.7173	2.8503	39.2505	19.9478	2.6222	22.2783	0.0000	12,168.1565	12,168.1565	3.8929	0.0000	12,265.4782
2024	12.1754	81.4438	100.3933	0.3901	22.8565	2.6720	24.2701	6.9503	2.4583	9.4086	0.0000	39,514.5649	39,514.5649	3.8913	0.0000	39,572.9998
2025	109.3278	99.0779	139.3732	0.4660	26.6928	2.2071	28.8999	7.1775	2.0624	9.2398	0.0000	46,921.8175	46,921.8175	3.8274	0.0000	47,017.5017

2026	108.8675	98.2486	134.7404	0.4586	26.6928	2.2013	28.8941	7.1775	2.0570	9.2345	0.0000	46,177.07 90	46,177.079 0	3.7769	0.0000	46,271.50 05
2027	108.4174	97.4709	130.5283	0.4519	26.6929	2.1920	28.8849	7.1775	2.0483	9.2259	0.0000	45,511.24 24	45,511.242 4	3.7293	0.0000	45,604.47 46
2028	107.9384	96.8246	126.7745	0.4460	26.6929	2.1814	28.8743	7.1775	2.0385	9.2160	0.0000	44,922.13 05	44,922.130 5	3.6865	0.0000	45,014.29 33
2029	107.4217	96.2252	123.1173	0.4407	26.6930	2.1717	28.8646	7.1775	2.0296	9.2071	0.0000	44,400.62 19	44,400.621 9	3.6438	0.0000	44,491.71 54
<b>Maximum</b>	<b>109.3278</b>	<b>99.0779</b>	<b>139.3732</b>	<b>0.4660</b>	<b>36.7173</b>	<b>3.2263</b>	<b>39.9436</b>	<b>19.9478</b>	<b>2.9682</b>	<b>22.9160</b>	<b>0.0000</b>	<b>46,921.81 75</b>	<b>46,921.817 5</b>	<b>3.8929</b>	<b>0.0000</b>	<b>47,017.50 17</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.1487	44.1090	51.5577	0.1038	2.2078	0.2784	2.4862	0.4624	0.2775	0.7399	0.0000	10,238.87 85	10,238.878 5	2.2122	0.0000	10,294.18 45
2022	2.1312	43.4666	51.4557	0.1035	11.5575	0.2850	11.8426	6.2507	0.2849	6.5356	0.0000	10,202.59 48	10,202.594 8	2.3887	0.0000	10,257.67 76
2023	3.1200	60.0048	73.9919	0.1256	11.5575	0.3911	11.8425	6.2507	0.3910	6.5356	0.0000	12,168.15 65	12,168.156 5	3.8929	0.0000	12,265.47 82
2024	10.5801	83.0084	103.8072	0.3901	22.8565	0.4581	23.3145	6.1599	0.4449	6.6048	0.0000	39,514.56 49	39,514.564 9	3.8913	0.0000	39,572.99 98
2025	107.0096	108.4408	148.4333	0.4660	26.6928	0.6943	27.3871	7.1775	0.6791	7.8566	0.0000	46,921.81 75	46,921.817 5	3.8274	0.0000	47,017.50 17
2026	106.5493	107.6115	143.8006	0.4586	26.6928	0.6885	27.3814	7.1775	0.6738	7.8512	0.0000	46,177.07 90	46,177.079 0	3.7769	0.0000	46,271.50 05
2027	106.0991	106.8338	139.5885	0.4519	26.6929	0.6792	27.3721	7.1775	0.6651	7.8427	0.0000	45,511.24 24	45,511.242 4	3.7293	0.0000	45,604.47 46
2028	105.6201	106.1875	135.8347	0.4460	26.6929	0.6686	27.3615	7.1775	0.6553	7.8328	0.0000	44,922.13 05	44,922.130 5	3.6865	0.0000	45,014.29 33
2029	105.1035	105.5881	132.1775	0.4407	26.6930	0.6589	27.3518	7.1775	0.6463	7.8239	0.0000	44,400.62 19	44,400.621 9	3.6438	0.0000	44,491.71 54
<b>Maximum</b>	<b>107.0096</b>	<b>108.4408</b>	<b>148.4333</b>	<b>0.4660</b>	<b>26.6930</b>	<b>0.6943</b>	<b>27.3871</b>	<b>7.1775</b>	<b>0.6791</b>	<b>7.8566</b>	<b>0.0000</b>	<b>46,921.81 75</b>	<b>46,921.817 5</b>	<b>3.8929</b>	<b>0.0000</b>	<b>47,017.50 17</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	4.45	1.25	-8.94	0.00	22.46	78.96	27.07	34.15	77.73	42.91	0.00	0.00	0.00	0.00	0.00	0.00
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## 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	132.4059	20.1458	172.3250	0.1252		2.3913	2.3913		2.3913	2.3913	0.0000	23,591.8320	23,591.8320	0.7308	0.4271	23,737.3664
Energy	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220
Mobile	43.0241	355.7252	442.2972	2.5479	264.0972	1.0425	265.1397	70.6784	0.9700	71.6484		260,870.9820	260,870.9820	9.8407		261,116.9992
Stationary	0.0113	0.0231	0.2018	1.2400e-003		0.0157	0.0157		0.0157	0.0157		247.0630	247.0630	4.7400e-003		247.1814
<b>Total</b>	<b>179.3378</b>	<b>410.7638</b>	<b>640.5267</b>	<b>2.8868</b>	<b>264.0972</b>	<b>6.1416</b>	<b>270.2388</b>	<b>70.6784</b>	<b>6.0691</b>	<b>76.7475</b>	<b>0.0000</b>	<b>327,216.6029</b>	<b>327,216.6029</b>	<b>11.3910</b>	<b>1.2064</b>	<b>327,860.8690</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	123.3398	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160	0.0000	297.7143	297.7143	0.2844	0.0000	304.8235
Energy	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220
Mobile	41.8751	350.7371	420.9924	2.4136	247.2874	0.9860	248.2734	66.1797	0.9174	67.0971		247,169.7992	247,169.7992	9.5062		247,407.4551
Stationary	0.0113	0.0231	0.2018	1.2400e-003		0.0157	0.0157		0.0157	0.0157		247.0630	247.0630	4.7400e-003		247.1814

Total	169.1227	387.5287	611.4571	2.6361	247.2874	4.6098	251.8972	66.1797	4.5411	70.7208	0.0000	290,221.3023	290,221.3023	10.6101	0.7793	290,718.7821
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.70	5.66	4.54	8.69	6.37	24.94	6.79	6.36	25.18	7.85	0.00	11.31	11.31	6.86	35.40	11.33

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2021	8/24/2022	5	300	
2	Site Preparation	Site Preparation	8/25/2022	9/1/2023	5	267	
3	Grading	Grading	9/4/2023	9/13/2024	5	270	
4	Building Construction	Building Construction	9/16/2024	9/14/2029	5	1305	
5	Paving	Paving	1/6/2025	10/5/2029	5	1240	
6	Architectural Coating	Architectural Coating	3/3/2025	12/28/2029	5	1260	

Acres of Grading (Site Preparation Phase): 110

Acres of Grading (Grading Phase): 675

Acres of Paving: 9.9

Residential Indoor: 4,455,000; Residential Outdoor: 1,485,000; Non-Residential Indoor: 3,197,604; Non-Residential Outdoor: 1,065,868;

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38



Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	2	6.00	78	0.48

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	15.00	0.00	9,188.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	16	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	2,259.00	635.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	452.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Use Cleaner Engines for Construction Equipment

### 3.2 Demolition - 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					3.3140	0.0000	3.3140	0.5018	0.0000	0.5018			0.0000				0.0000
Off-Road	6.3302	62.8814	43.1301	0.0776		3.1027	3.1027		2.8822	2.8822		7,495.8899	7,495.8899	2.1098			7,548.6347
<b>Total</b>	<b>6.3302</b>	<b>62.8814</b>	<b>43.1301</b>	<b>0.0776</b>	<b>3.3140</b>	<b>3.1027</b>	<b>6.4167</b>	<b>0.5018</b>	<b>2.8822</b>	<b>3.3839</b>		<b>7,495.8899</b>	<b>7,495.8899</b>	<b>2.1098</b>			<b>7,548.6347</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.2369	7.4391	1.7281	0.0250	1.0506	0.0185	1.0692	0.2732	0.0177	0.2909		2,625.9368	2,625.9368	0.0985			2,628.3979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0627	0.0441	0.4819	1.1800e-003	0.1232	1.0200e-003	0.1242	0.0327	9.4000e-004	0.0336		117.0518	117.0518	4.0000e-003			117.1519
<b>Total</b>	<b>0.2995</b>	<b>7.4831</b>	<b>2.2100</b>	<b>0.0262</b>	<b>1.1738</b>	<b>0.0196</b>	<b>1.1934</b>	<b>0.3059</b>	<b>0.0187</b>	<b>0.3246</b>		<b>2,742.9886</b>	<b>2,742.9886</b>	<b>0.1025</b>			<b>2,745.5498</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					1.0340	0.0000	1.0340	0.1566	0.0000	0.1566			0.0000			0.0000
Off-Road	1.8491	36.6259	49.3477	0.0776		0.2588	0.2588		0.2588	0.2588	0.0000	7,495.8899	7,495.8899	2.1098		7,548.6347
<b>Total</b>	<b>1.8491</b>	<b>36.6259</b>	<b>49.3477</b>	<b>0.0776</b>	<b>1.0340</b>	<b>0.2588</b>	<b>1.2928</b>	<b>0.1566</b>	<b>0.2588</b>	<b>0.4154</b>	<b>0.0000</b>	<b>7,495.8899</b>	<b>7,495.8899</b>	<b>2.1098</b>		<b>7,548.6347</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2369	7.4391	1.7281	0.0250	1.0506	0.0185	1.0692	0.2732	0.0177	0.2909		2,625.9368	2,625.9368	0.0985		2,628.3979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.0441	0.4819	1.1800e-003	0.1232	1.0200e-003	0.1242	0.0327	9.4000e-004	0.0336		117.0518	117.0518	4.0000e-003		117.1519
<b>Total</b>	<b>0.2995</b>	<b>7.4831</b>	<b>2.2100</b>	<b>0.0262</b>	<b>1.1738</b>	<b>0.0196</b>	<b>1.1934</b>	<b>0.3059</b>	<b>0.0187</b>	<b>0.3246</b>		<b>2,742.9886</b>	<b>2,742.9886</b>	<b>0.1025</b>		<b>2,745.5498</b>

### **3.2 Demolition - 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					3.3140	0.0000	3.3140	0.5018	0.0000	0.5018			0.0000			0.0000

Off-Road	5.2783	51.4388	41.1881	0.0776		2.4853	2.4853		2.3105	2.3105		7,493.5624	7,493.5624	2.1049		7,546.1841
<b>Total</b>	<b>5.2783</b>	<b>51.4388</b>	<b>41.1881</b>	<b>0.0776</b>	<b>3.3140</b>	<b>2.4853</b>	<b>5.7993</b>	<b>0.5018</b>	<b>2.3105</b>	<b>2.8123</b>		<b>7,493.5624</b>	<b>7,493.5624</b>	<b>2.1049</b>		<b>7,546.1841</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2232	6.8008	1.6635	0.0247	0.8534	0.0153	0.8687	0.2248	0.0146	0.2394		2,596.0278	2,596.0278	0.0948		2,598.3979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0400	0.4445	1.1400e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		113.0047	113.0047	3.6400e-003		113.0956
<b>Total</b>	<b>0.2820</b>	<b>6.8407</b>	<b>2.1080</b>	<b>0.0258</b>	<b>0.9767</b>	<b>0.0163</b>	<b>0.9930</b>	<b>0.2575</b>	<b>0.0156</b>	<b>0.2730</b>		<b>2,709.0325</b>	<b>2,709.0325</b>	<b>0.0985</b>		<b>2,711.4936</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					1.0340	0.0000	1.0340	0.1566	0.0000	0.1566			0.0000			0.0000
Off-Road	1.8491	36.6259	49.3477	0.0776		0.2588	0.2588		0.2588	0.2588	0.0000	7,493.5623	7,493.5623	2.1049		7,546.1841
<b>Total</b>	<b>1.8491</b>	<b>36.6259</b>	<b>49.3477</b>	<b>0.0776</b>	<b>1.0340</b>	<b>0.2588</b>	<b>1.2928</b>	<b>0.1566</b>	<b>0.2588</b>	<b>0.4154</b>	<b>0.0000</b>	<b>7,493.5623</b>	<b>7,493.5623</b>	<b>2.1049</b>		<b>7,546.1841</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2232	6.8008	1.6635	0.0247	0.8534	0.0153	0.8687	0.2248	0.0146	0.2394		2,596.0278	2,596.0278	0.0948		2,598.3979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0400	0.4445	1.1400e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		113.0047	113.0047	3.6400e-003		113.0956
<b>Total</b>	<b>0.2820</b>	<b>6.8407</b>	<b>2.1080</b>	<b>0.0258</b>	<b>0.9767</b>	<b>0.0163</b>	<b>0.9930</b>	<b>0.2575</b>	<b>0.0156</b>	<b>0.2730</b>		<b>2,709.0325</b>	<b>2,709.0325</b>	<b>0.0985</b>		<b>2,711.4936</b>

### 3.3 Site Preparation - 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					36.5694	0.0000	36.5694	19.9085	0.0000	19.9085			0.0000			0.0000
Off-Road	6.3403	66.1670	39.3955	0.0761		3.2252	3.2252		2.9671	2.9671		7,372.1237	7,372.1237	2.3843		7,431.7311
<b>Total</b>	<b>6.3403</b>	<b>66.1670</b>	<b>39.3955</b>	<b>0.0761</b>	<b>36.5694</b>	<b>3.2252</b>	<b>39.7946</b>	<b>19.9085</b>	<b>2.9671</b>	<b>22.8757</b>		<b>7,372.1237</b>	<b>7,372.1237</b>	<b>2.3843</b>		<b>7,431.7311</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0480	0.5334	1.3600e-003	0.1479	1.1800e-003	0.1491	0.0392	1.0900e-003	0.0403		135.6056	135.6056	4.3600e-003		135.7147
<b>Total</b>	<b>0.0706</b>	<b>0.0480</b>	<b>0.5334</b>	<b>1.3600e-003</b>	<b>0.1479</b>	<b>1.1800e-003</b>	<b>0.1491</b>	<b>0.0392</b>	<b>1.0900e-003</b>	<b>0.0403</b>		<b>135.6056</b>	<b>135.6056</b>	<b>4.3600e-003</b>		<b>135.7147</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					11.4097	0.0000	11.4097	6.2115	0.0000	6.2115			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		0.2839	0.2839		0.2839	0.2839	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311
<b>Total</b>	<b>1.8623</b>	<b>38.1312</b>	<b>45.9201</b>	<b>0.0761</b>	<b>11.4097</b>	<b>0.2839</b>	<b>11.6935</b>	<b>6.2115</b>	<b>0.2839</b>	<b>6.4953</b>	<b>0.0000</b>	<b>7,372.1237</b>	<b>7,372.1237</b>	<b>2.3843</b>		<b>7,431.7311</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0480	0.5334	1.3600e-003	0.1479	1.1800e-003	0.1491	0.0392	1.0900e-003	0.0403		135.6056	135.6056	4.3600e-003		135.7147
<b>Total</b>	<b>0.0706</b>	<b>0.0480</b>	<b>0.5334</b>	<b>1.3600e-003</b>	<b>0.1479</b>	<b>1.1800e-003</b>	<b>0.1491</b>	<b>0.0392</b>	<b>1.0900e-003</b>	<b>0.0403</b>		<b>135.6056</b>	<b>135.6056</b>	<b>4.3600e-003</b>		<b>135.7147</b>

### 3.3 Site Preparation - 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					36.5694	0.0000	36.5694	19.9085	0.0000	19.9085			0.0000				0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851			7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>36.5694</b>	<b>2.5320</b>	<b>39.1015</b>	<b>19.9085</b>	<b>2.3295</b>	<b>22.2380</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>			<b>7,434.2437</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0664	0.0436	0.4921	1.3100e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		130.6809	130.6809	3.9600e-003			130.7800
<b>Total</b>	<b>0.0664</b>	<b>0.0436</b>	<b>0.4921</b>	<b>1.3100e-003</b>	<b>0.1479</b>	<b>1.1500e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>130.6809</b>	<b>130.6809</b>	<b>3.9600e-003</b>			<b>130.7800</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					11.4097	0.0000	11.4097	6.2115	0.0000	6.2115			0.0000				0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		0.2839	0.2839		0.2839	0.2839	0.0000	7,374.6162	7,374.6162	2.3851			7,434.2437
<b>Total</b>	<b>1.8623</b>	<b>38.1312</b>	<b>45.9201</b>	<b>0.0761</b>	<b>11.4097</b>	<b>0.2839</b>	<b>11.6935</b>	<b>6.2115</b>	<b>0.2839</b>	<b>6.4953</b>	<b>0.0000</b>	<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>			<b>7,434.2437</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0664	0.0436	0.4921	1.3100e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		130.6809	130.6809	3.9600e-003			130.7800
<b>Total</b>	<b>0.0664</b>	<b>0.0436</b>	<b>0.4921</b>	<b>1.3100e-003</b>	<b>0.1479</b>	<b>1.1500e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>130.6809</b>	<b>130.6809</b>	<b>3.9600e-003</b>			<b>130.7800</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					14.6954	0.0000	14.6954	6.9067	0.0000	6.9067			0.0000				0.0000



Off-Road	6.6435	69.0312	56.1023	0.1242		2.8490	2.8490		2.6211	2.6211		12,022.9555	12,022.9555	3.8885		12,120.1671
<b>Total</b>	<b>6.6435</b>	<b>69.0312</b>	<b>56.1023</b>	<b>0.1242</b>	<b>14.6954</b>	<b>2.8490</b>	<b>17.5444</b>	<b>6.9067</b>	<b>2.6211</b>	<b>9.5278</b>		<b>12,022.9555</b>	<b>12,022.9555</b>	<b>3.8885</b>		<b>12,120.1671</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0484	0.5467	1.4600e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		145.2010	145.2010	4.4000e-003		145.3111
<b>Total</b>	<b>0.0738</b>	<b>0.0484</b>	<b>0.5467</b>	<b>1.4600e-003</b>	<b>0.1643</b>	<b>1.2800e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>145.2010</b>	<b>145.2010</b>	<b>4.4000e-003</b>		<b>145.3111</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					4.5850	0.0000	4.5850	2.1549	0.0000	2.1549			0.0000			0.0000
Off-Road	3.0462	59.9564	73.4452	0.1242		0.3898	0.3898		0.3898	0.3898	0.0000	12,022.9554	12,022.9554	3.8885		12,120.1671
<b>Total</b>	<b>3.0462</b>	<b>59.9564</b>	<b>73.4452</b>	<b>0.1242</b>	<b>4.5850</b>	<b>0.3898</b>	<b>4.9748</b>	<b>2.1549</b>	<b>0.3898</b>	<b>2.5447</b>	<b>0.0000</b>	<b>12,022.9554</b>	<b>12,022.9554</b>	<b>3.8885</b>		<b>12,120.1671</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0484	0.5467	1.4600e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		145.2010	145.2010	4.4000e-003		145.3111
<b>Total</b>	<b>0.0738</b>	<b>0.0484</b>	<b>0.5467</b>	<b>1.4600e-003</b>	<b>0.1643</b>	<b>1.2800e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>145.2010</b>	<b>145.2010</b>	<b>4.4000e-003</b>		<b>145.3111</b>

### 3.4 Grading - 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					
Fugitive Dust					14.6954	0.0000	14.6954	6.9067	0.0000	6.9067			0.0000			0.0000
Off-Road	6.4363	64.7539	55.4456	0.1241		2.6708	2.6708		2.4571	2.4571		12,019.4974	12,019.4974	3.8874		12,116.6811
<b>Total</b>	<b>6.4363</b>	<b>64.7539</b>	<b>55.4456</b>	<b>0.1241</b>	<b>14.6954</b>	<b>2.6708</b>	<b>17.3662</b>	<b>6.9067</b>	<b>2.4571</b>	<b>9.3639</b>		<b>12,019.4974</b>	<b>12,019.4974</b>	<b>3.8874</b>		<b>12,116.6811</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0695	0.0440	0.4956	1.4000e-003	0.1643	1.2400e-003	0.1655	0.0436	1.1400e-003	0.0447		139.8363	139.8363	3.9700e-003		139.9355
<b>Total</b>	<b>0.0695</b>	<b>0.0440</b>	<b>0.4956</b>	<b>1.4000e-003</b>	<b>0.1643</b>	<b>1.2400e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1400e-003</b>	<b>0.0447</b>		<b>139.8363</b>	<b>139.8363</b>	<b>3.9700e-003</b>		<b>139.9355</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					4.5850	0.0000	4.5850	2.1549	0.0000	2.1549			0.0000				0.0000
Off-Road	3.0462	59.9564	73.4452	0.1241		0.3898	0.3898		0.3898	0.3898	0.0000	12,019.4973	12,019.4973	3.8874			12,116.6811
<b>Total</b>	<b>3.0462</b>	<b>59.9564</b>	<b>73.4452</b>	<b>0.1241</b>	<b>4.5850</b>	<b>0.3898</b>	<b>4.9748</b>	<b>2.1549</b>	<b>0.3898</b>	<b>2.5447</b>	<b>0.0000</b>	<b>12,019.4973</b>	<b>12,019.4973</b>	<b>3.8874</b>			<b>12,116.6811</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0440	0.4956	1.4000e-003	0.1643	1.2400e-003	0.1655	0.0436	1.1400e-003	0.0447		139.8363	139.8363	3.9700e-003		139.9355
<b>Total</b>	<b>0.0695</b>	<b>0.0440</b>	<b>0.4956</b>	<b>1.4000e-003</b>	<b>0.1643</b>	<b>1.2400e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1400e-003</b>	<b>0.0447</b>		<b>139.8363</b>	<b>139.8363</b>	<b>3.9700e-003</b>		<b>139.9355</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	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3790	49.5835	12.0783	0.1776	4.2993	0.0473	4.3466	1.2377	0.0452	1.2828		18,608.6574	18,608.6574	0.6806		18,625.6729
Worker	7.8532	4.9728	55.9813	0.1586	18.5572	0.1398	18.6969	4.9222	0.1287	5.0509		15,794.5097	15,794.5097	0.4481		15,805.7116
<b>Total</b>	<b>9.2323</b>	<b>54.5563</b>	<b>68.0597</b>	<b>0.3362</b>	<b>22.8565</b>	<b>0.1870</b>	<b>23.0435</b>	<b>6.1599</b>	<b>0.1739</b>	<b>6.3338</b>		<b>34,403.1671</b>	<b>34,403.1671</b>	<b>1.1287</b>		<b>34,431.3845</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3790	49.5835	12.0783	0.1776	4.2993	0.0473	4.3466	1.2377	0.0452	1.2828		18,608.6574	18,608.6574	0.6806		18,625.6729
Worker	7.8532	4.9728	55.9813	0.1586	18.5572	0.1398	18.6969	4.9222	0.1287	5.0509		15,794.5097	15,794.5097	0.4481		15,805.7116
<b>Total</b>	<b>9.2323</b>	<b>54.5563</b>	<b>68.0597</b>	<b>0.3362</b>	<b>22.8565</b>	<b>0.1870</b>	<b>23.0435</b>	<b>6.1599</b>	<b>0.1739</b>	<b>6.3338</b>		<b>34,403.1671</b>	<b>34,403.1671</b>	<b>1.1287</b>		<b>34,431.3845</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>
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**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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3517	49.1851	11.7066	0.1767	4.2994	0.0467	4.3461	1.2377	0.0447	1.2824		18,510.0660	18,510.0660	0.6723		18,526.8738
Worker	7.4507	4.5571	51.9778	0.1524	18.5572	0.1369	18.6941	4.9222	0.1260	5.0483		15,183.5432	15,183.5432	0.4102		15,193.7990
<b>Total</b>	<b>8.8025</b>	<b>53.7422</b>	<b>63.6843</b>	<b>0.3291</b>	<b>22.8565</b>	<b>0.1836</b>	<b>23.0401</b>	<b>6.1599</b>	<b>0.1707</b>	<b>6.3306</b>		<b>33,693.6091</b>	<b>33,693.6091</b>	<b>1.0825</b>		<b>33,720.6728</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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3517	49.1851	11.7066	0.1767	4.2994	0.0467	4.3461	1.2377	0.0447	1.2824		18,510.0660	18,510.0660	0.6723		18,526.8738
Worker	7.4507	4.5571	51.9778	0.1524	18.5572	0.1369	18.6941	4.9222	0.1260	5.0483		15,183.5432	15,183.5432	0.4102		15,193.7990
<b>Total</b>	<b>8.8025</b>	<b>53.7422</b>	<b>63.6843</b>	<b>0.3291</b>	<b>22.8565</b>	<b>0.1836</b>	<b>23.0401</b>	<b>6.1599</b>	<b>0.1707</b>	<b>6.3306</b>		<b>33,693.6091</b>	<b>33,693.6091</b>	<b>1.0825</b>		<b>33,720.6728</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	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	1.3269	48.7954	11.3933	0.1758	4.2994	0.0461	4.3455	1.2377	0.0441	1.2818	18,419.777	18,419.777	0.6632		18,436.3576	
Worker	7.0899	4.1928	48.3982	0.1469	18.5572	0.1326	18.6897	4.9222	0.1220	5.0443	14,641.2090	14,641.2090	0.3759		14,650.6072	
<b>Total</b>	<b>8.4168</b>	<b>52.9882</b>	<b>59.7916</b>	<b>0.3227</b>	<b>22.8566</b>	<b>0.1787</b>	<b>23.0353</b>	<b>6.1599</b>	<b>0.1661</b>	<b>6.3261</b>	<b>33,060.9867</b>	<b>33,060.9867</b>	<b>1.0391</b>		<b>33,086.9649</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3269	48.7954	11.3933	0.1758	4.2994	0.0461	4.3455	1.2377	0.0441	1.2818	18,419.777	18,419.777	0.6632			18,436.3576
Worker	7.0899	4.1928	48.3982	0.1469	18.5572	0.1326	18.6897	4.9222	0.1220	5.0443	14,641.2090	14,641.2090	0.3759			14,650.6072
<b>Total</b>	<b>8.4168</b>	<b>52.9882</b>	<b>59.7916</b>	<b>0.3227</b>	<b>22.8566</b>	<b>0.1787</b>	<b>23.0353</b>	<b>6.1599</b>	<b>0.1661</b>	<b>6.3261</b>	<b>33,060.9867</b>	<b>33,060.9867</b>	<b>1.0391</b>			<b>33,086.9649</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3069	48.4250	11.1522	0.1751	4.2995	0.0455	4.3449	1.2377	0.0434	1.2812		18,341.4922	18,341.4922	0.6540		18,357.8412
Worker	6.7334	3.8552	45.1075	0.1420	18.5572	0.1255	18.6826	4.9222	0.1154	5.0377		14,154.3131	14,154.3131	0.3442		14,162.9173
<b>Total</b>	<b>8.0403</b>	<b>52.2803</b>	<b>56.2598</b>	<b>0.3171</b>	<b>22.8566</b>	<b>0.1709</b>	<b>23.0275</b>	<b>6.1600</b>	<b>0.1589</b>	<b>6.3188</b>		<b>32,495.8054</b>	<b>32,495.8054</b>	<b>0.9981</b>		<b>32,520.7585</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.3069	48.4250	11.1522	0.1751	4.2995	0.0455	4.3449	1.2377	0.0434	1.2812		18,341.4922	18,341.4922	0.6540		18,357.8412
Worker	6.7334	3.8552	45.1075	0.1420	18.5572	0.1255	18.6826	4.9222	0.1154	5.0377		14,154.3131	14,154.3131	0.3442		14,162.9173
<b>Total</b>	<b>8.0403</b>	<b>52.2803</b>	<b>56.2598</b>	<b>0.3171</b>	<b>22.8566</b>	<b>0.1709</b>	<b>23.0275</b>	<b>6.1600</b>	<b>0.1589</b>	<b>6.3188</b>		<b>32,495.8054</b>	<b>32,495.8054</b>	<b>0.9981</b>		<b>32,520.7585</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>
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**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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2899	48.1536	10.9423	0.1744	4.2995	0.0451	4.3446	1.2377	0.0431	1.2808		18,275.6688	18,275.6688	0.6446		18,291.7846
Worker	6.3506	3.5446	42.1708	0.1376	18.5572	0.1169	18.6741	4.9222	0.1076	5.0298		13,720.6710	13,720.6710	0.3165		13,728.5822
<b>Total</b>	<b>7.6404</b>	<b>51.6982</b>	<b>53.1131</b>	<b>0.3121</b>	<b>22.8566</b>	<b>0.1620</b>	<b>23.0187</b>	<b>6.1600</b>	<b>0.1507</b>	<b>6.3106</b>		<b>31,996.3397</b>	<b>31,996.3397</b>	<b>0.9611</b>		<b>32,020.3667</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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2899	48.1536	10.9423	0.1744	4.2995	0.0451	4.3446	1.2377	0.0431	1.2808		18,275.6688	18,275.6688	0.6446		18,291.7846
Worker	6.3506	3.5446	42.1708	0.1376	18.5572	0.1169	18.6741	4.9222	0.1076	5.0298		13,720.6710	13,720.6710	0.3165		13,728.5822
<b>Total</b>	<b>7.6404</b>	<b>51.6982</b>	<b>53.1131</b>	<b>0.3121</b>	<b>22.8566</b>	<b>0.1620</b>	<b>23.0187</b>	<b>6.1600</b>	<b>0.1507</b>	<b>6.3106</b>		<b>31,996.3397</b>	<b>31,996.3397</b>	<b>0.9611</b>		<b>32,020.3667</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	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	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	1.2765	47.9159	10.7712	0.1739	4.2995	0.0447	4.3442	1.2378	0.0427	1.2805	18,222.1392	18,222.1392	0.6348		18,238.0096	
Worker	5.9335	3.2449	39.2819	0.1337	18.5572	0.1092	18.6664	4.9222	0.1005	5.0227	13,332.8630	13,332.8630	0.2891		13,340.0914	
<b>Total</b>	<b>7.2100</b>	<b>51.1608</b>	<b>50.0531</b>	<b>0.3076</b>	<b>22.8567</b>	<b>0.1539</b>	<b>23.0106</b>	<b>6.1600</b>	<b>0.1432</b>	<b>6.3032</b>	<b>31,555.0022</b>	<b>31,555.0022</b>	<b>0.9240</b>		<b>31,578.1010</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	1.3478	28.4521	35.7476	0.0539		0.2711	0.2711		0.2711	0.2711	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.3478</b>	<b>28.4521</b>	<b>35.7476</b>	<b>0.0539</b>		<b>0.2711</b>	<b>0.2711</b>		<b>0.2711</b>	<b>0.2711</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	1.2765	47.9159	10.7712	0.1739	4.2995	0.0447	4.3442	1.2378	0.0427	1.2805	18,222.1392	18,222.1392	0.6348			18,238.0096
Worker	5.9335	3.2449	39.2819	0.1337	18.5572	0.1092	18.6664	4.9222	0.1005	5.0227	13,332.8630	13,332.8630	0.2891			13,340.0914
<b>Total</b>	<b>7.2100</b>	<b>51.1608</b>	<b>50.0531</b>	<b>0.3076</b>	<b>22.8567</b>	<b>0.1539</b>	<b>23.0106</b>	<b>6.1600</b>	<b>0.1432</b>	<b>6.3032</b>	<b>31,555.0022</b>	<b>31,555.0022</b>	<b>0.9240</b>			<b>31,578.1010</b>

### 3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0303	0.3451	1.0100e-003	0.1232	9.1000e-004	0.1241	0.0327	8.4000e-004	0.0335		100.8203	100.8203	2.7200e-003		100.8884
<b>Total</b>	<b>0.0495</b>	<b>0.0303</b>	<b>0.3451</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>9.1000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.4000e-004</b>	<b>0.0335</b>		<b>100.8203</b>	<b>100.8203</b>	<b>2.7200e-003</b>		<b>100.8884</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0303	0.3451	1.0100e-003	0.1232	9.1000e-004	0.1241	0.0327	8.4000e-004	0.0335		100.8203	100.8203	2.7200e-003		100.8884
<b>Total</b>	<b>0.0495</b>	<b>0.0303</b>	<b>0.3451</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>9.1000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.4000e-004</b>	<b>0.0335</b>		<b>100.8203</b>	<b>100.8203</b>	<b>2.7200e-003</b>		<b>100.8884</b>

**3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>			<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>	<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0278	0.3214	9.8000e-004	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		97.2192	97.2192	2.5000e-003		97.2816
<b>Total</b>	<b>0.0471</b>	<b>0.0278</b>	<b>0.3214</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>97.2192</b>	<b>97.2192</b>	<b>2.5000e-003</b>		<b>97.2816</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0278	0.3214	9.8000e-004	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		97.2192	97.2192	2.5000e-003		97.2816
<b>Total</b>	<b>0.0471</b>	<b>0.0278</b>	<b>0.3214</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>97.2192</b>	<b>97.2192</b>	<b>2.5000e-003</b>		<b>97.2816</b>

### 3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0256	0.2995	9.4000e-004	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		93.9861	93.9861	2.2900e-003		94.0433
<b>Total</b>	<b>0.0447</b>	<b>0.0256</b>	<b>0.2995</b>	<b>9.4000e-004</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>93.9861</b>	<b>93.9861</b>	<b>2.2900e-003</b>		<b>94.0433</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0447	0.0256	0.2995	9.4000e-004	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		93.9861	93.9861	2.2900e-003		94.0433
<b>Total</b>	<b>0.0447</b>	<b>0.0256</b>	<b>0.2995</b>	<b>9.4000e-004</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>93.9861</b>	<b>93.9861</b>	<b>2.2900e-003</b>		<b>94.0433</b>

### 3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0235	0.2800	9.1000e-004	0.1232	7.8000e-004	0.1240	0.0327	7.1000e-004	0.0334		91.1067	91.1067	2.1000e-003		91.1592
<b>Total</b>	<b>0.0422</b>	<b>0.0235</b>	<b>0.2800</b>	<b>9.1000e-004</b>	<b>0.1232</b>	<b>7.8000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.1000e-004</b>	<b>0.0334</b>		<b>91.1067</b>	<b>91.1067</b>	<b>2.1000e-003</b>		<b>91.1592</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0235	0.2800	9.1000e-004	0.1232	7.8000e-004	0.1240	0.0327	7.1000e-004	0.0334		91.1067	91.1067	2.1000e-003		91.1592
<b>Total</b>	<b>0.0422</b>	<b>0.0235</b>	<b>0.2800</b>	<b>9.1000e-004</b>	<b>0.1232</b>	<b>7.8000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.1000e-004</b>	<b>0.0334</b>		<b>91.1067</b>	<b>91.1067</b>	<b>2.1000e-003</b>		<b>91.1592</b>

**3.6 Paving - 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	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8303</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>			<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>	<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0216	0.2608	8.9000e-004	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		88.5316	88.5316	1.9200e-003		88.5796
<b>Total</b>	<b>0.0394</b>	<b>0.0216</b>	<b>0.2608</b>	<b>8.9000e-004</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>88.5316</b>	<b>88.5316</b>	<b>1.9200e-003</b>		<b>88.5796</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	1.1219	22.5905	34.5913	0.0456		0.1828	0.1828		0.1828	0.1828	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1219</b>	<b>22.5905</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1828</b>	<b>0.1828</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0216	0.2608	8.9000e-004	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		88.5316	88.5316	1.9200e-003		88.5796
<b>Total</b>	<b>0.0394</b>	<b>0.0216</b>	<b>0.2608</b>	<b>8.9000e-004</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>88.5316</b>	<b>88.5316</b>	<b>1.9200e-003</b>		<b>88.5796</b>

**3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4908	0.9118	10.4002	0.0305	3.7131	0.0274	3.7405	0.9849	0.0252	1.0101		3,038.0529	3,038.0529	0.0821		3,040.1050
<b>Total</b>	<b>1.4908</b>	<b>0.9118</b>	<b>10.4002</b>	<b>0.0305</b>	<b>3.7131</b>	<b>0.0274</b>	<b>3.7405</b>	<b>0.9849</b>	<b>0.0252</b>	<b>1.0101</b>		<b>3,038.0529</b>	<b>3,038.0529</b>	<b>0.0821</b>		<b>3,040.1050</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4908	0.9118	10.4002	0.0305	3.7131	0.0274	3.7405	0.9849	0.0252	1.0101		3,038.0529	3,038.0529	0.0821		3,040.1050
<b>Total</b>	<b>1.4908</b>	<b>0.9118</b>	<b>10.4002</b>	<b>0.0305</b>	<b>3.7131</b>	<b>0.0274</b>	<b>3.7405</b>	<b>0.9849</b>	<b>0.0252</b>	<b>1.0101</b>		<b>3,038.0529</b>	<b>3,038.0529</b>	<b>0.0821</b>		<b>3,040.1050</b>

### 3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4186	0.8389	9.6839	0.0294	3.7131	0.0265	3.7396	0.9849	0.0244	1.0093		2,929.5381	2,929.5381	0.0752		2,931.4185
<b>Total</b>	<b>1.4186</b>	<b>0.8389</b>	<b>9.6839</b>	<b>0.0294</b>	<b>3.7131</b>	<b>0.0265</b>	<b>3.7396</b>	<b>0.9849</b>	<b>0.0244</b>	<b>1.0093</b>		<b>2,929.5381</b>	<b>2,929.5381</b>	<b>0.0752</b>		<b>2,931.4185</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4186	0.8389	9.6839	0.0294	3.7131	0.0265	3.7396	0.9849	0.0244	1.0093		2,929.5381	2,929.5381	0.0752		2,931.4185
<b>Total</b>	<b>1.4186</b>	<b>0.8389</b>	<b>9.6839</b>	<b>0.0294</b>	<b>3.7131</b>	<b>0.0265</b>	<b>3.7396</b>	<b>0.9849</b>	<b>0.0244</b>	<b>1.0093</b>		<b>2,929.5381</b>	<b>2,929.5381</b>	<b>0.0752</b>		<b>2,931.4185</b>

**3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.3473	0.7714	9.0255	0.0284	3.7131	0.0251	3.7382	0.9849	0.0231	1.0080		2,832.1158	2,832.1158	0.0689		2,833.8374
<b>Total</b>	<b>1.3473</b>	<b>0.7714</b>	<b>9.0255</b>	<b>0.0284</b>	<b>3.7131</b>	<b>0.0251</b>	<b>3.7382</b>	<b>0.9849</b>	<b>0.0231</b>	<b>1.0080</b>		<b>2,832.1158</b>	<b>2,832.1158</b>	<b>0.0689</b>		<b>2,833.8374</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.3473	0.7714	9.0255	0.0284	3.7131	0.0251	3.7382	0.9849	0.0231	1.0080		2,832.1158	2,832.1158	0.0689		2,833.8374
<b>Total</b>	<b>1.3473</b>	<b>0.7714</b>	<b>9.0255</b>	<b>0.0284</b>	<b>3.7131</b>	<b>0.0251</b>	<b>3.7382</b>	<b>0.9849</b>	<b>0.0231</b>	<b>1.0080</b>		<b>2,832.1158</b>	<b>2,832.1158</b>	<b>0.0689</b>		<b>2,833.8374</b>

**3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2707	0.7092	8.4379	0.0275	3.7131	0.0234	3.7365	0.9849	0.0215	1.0064	2,745.3490	2,745.3490	0.0633	2,746.9319		
<b>Total</b>	<b>1.2707</b>	<b>0.7092</b>	<b>8.4379</b>	<b>0.0275</b>	<b>3.7131</b>	<b>0.0234</b>	<b>3.7365</b>	<b>0.9849</b>	<b>0.0215</b>	<b>1.0064</b>	<b>2,745.3490</b>	<b>2,745.3490</b>	<b>0.0633</b>	<b>2,746.9319</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2707	0.7092	8.4379	0.0275	3.7131	0.0234	3.7365	0.9849	0.0215	1.0064	2,745.3490	2,745.3490	0.0633	2,746.9319		
<b>Total</b>	<b>1.2707</b>	<b>0.7092</b>	<b>8.4379</b>	<b>0.0275</b>	<b>3.7131</b>	<b>0.0234</b>	<b>3.7365</b>	<b>0.9849</b>	<b>0.0215</b>	<b>1.0064</b>	<b>2,745.3490</b>	<b>2,745.3490</b>	<b>0.0633</b>	<b>2,746.9319</b>		

**3.7 Architectural Coating - 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					
Archit. Coating	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.4200</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1872	0.6493	7.8599	0.0268	3.7131	0.0219	3.7349	0.9849	0.0201	1.0050		2,667.7530	2,667.7530	0.0579		2,669.1993
<b>Total</b>	<b>1.1872</b>	<b>0.6493</b>	<b>7.8599</b>	<b>0.0268</b>	<b>3.7131</b>	<b>0.0219</b>	<b>3.7349</b>	<b>0.9849</b>	<b>0.0201</b>	<b>1.0050</b>		<b>2,667.7530</b>	<b>2,667.7530</b>	<b>0.0579</b>		<b>2,669.1993</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	94.0783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	2.7140	3.6648	5.9400e-003		0.0285	0.0285		0.0285	0.0285	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>94.1972</b>	<b>2.7140</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>0.0285</b>	<b>0.0285</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1872	0.6493	7.8599	0.0268	3.7131	0.0219	3.7349	0.9849	0.0201	1.0050		2,667.7530	2,667.7530	0.0579		2,669.1993
<b>Total</b>	<b>1.1872</b>	<b>0.6493</b>	<b>7.8599</b>	<b>0.0268</b>	<b>3.7131</b>	<b>0.0219</b>	<b>3.7349</b>	<b>0.9849</b>	<b>0.0201</b>	<b>1.0050</b>		<b>2,667.7530</b>	<b>2,667.7530</b>	<b>0.0579</b>		<b>2,669.1993</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	41.8751	350.7371	420.9924	2.4136	247.2874	0.9860	248.2734	66.1797	0.9174	67.0971		247,169.7992	247,169.7992	9.5062		247,407.4551
Unmitigated	43.0241	355.7252	442.2972	2.5479	264.0972	1.0425	265.1397	70.6784	0.9700	71.6484		260,870.9820	260,870.9820	9.8407		261,116.9992

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	9,882.00	9,666.00	8194.50	27,293,756	25,556,509
Congregate Care (Assisted Living)	1,708.00	880.00	976.00	4,217,984	3,949,509
General Office Building	5,844.00	1,476.00	630.00	10,694,485	10,013,781
High Turnover (Sit Down Restaurant)	10,208.38	14,411.67	11997.44	12,837,666	12,020,549
Hospital	6,696.00	2,442.00	2157.00	13,699,935	12,827,934
Hospital	8,124.48	2,962.96	2617.16	16,622,587	15,564,560
Hotel	1,504.80	1,474.20	1071.00	2,732,969	2,559,015
Regional Shopping Center	5,700.25	7,545.47	3811.24	9,983,308	9,347,870
Single Family Housing	2,360.00	2,477.50	2155.00	6,667,182	6,242,816
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>52,027.91</b>	<b>43,335.80</b>	<b>33,609.34</b>	<b>104,749,872</b>	<b>98,082,542</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
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Congregate Care (Assisted Living)	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

Unenclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
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#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unenclosed Parking with Elevator	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Apartments Low Rise	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Congregate Care (Assisted Living)	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
General Office Building	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
High Turnover (Sit Down Restaurant)	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Hospital	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Hotel	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Regional Shopping Center	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Single Family Housing	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520
Unenclosed Parking with Elevator	0.650778	0.030759	0.146759	0.081495	0.008338	0.003833	0.021431	0.044180	0.002549	0.001859	0.006095	0.001404	0.000520

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220



NaturalGas Unmitigated	3.8965	34.8697	25.7027	0.2125		2.6921	2.6921		2.6921	2.6921		42,506.7258	42,506.7258	0.8147	0.7793	42,759.3220
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## 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 Low Rise	60434.8	0.6518	5.5695	2.3700	0.0356		0.4503	0.4503		0.4503	0.4503		7,109.9724	7,109.9724	0.1363	0.1304	7,152.2235
Congregate Care (Assisted Living)	14680.7	0.1583	1.3529	0.5757	8.6400e-003		0.1094	0.1094		0.1094	0.1094		1,727.1452	1,727.1452	0.0331	0.0317	1,737.4088
General Office Building	17112.3	0.1845	1.6777	1.4093	0.0101		0.1275	0.1275		0.1275	0.1275		2,013.2152	2,013.2152	0.0386	0.0369	2,025.1787
High Turnover (Sit Down Restaurant)	57531.9	0.6204	5.6404	4.7379	0.0338		0.4287	0.4287		0.4287	0.4287		6,768.4641	6,768.4641	0.1297	0.1241	6,808.6857
Hospital	124197	1.3394	12.1762	10.2280	0.0731		0.9254	0.9254		0.9254	0.9254		14,611.4424	14,611.4424	0.2801	0.2679	14,698.2709
Hospital	46225.5	0.4985	4.5319	3.8068	0.0272		0.3444	0.3444		0.3444	0.3444		5,438.2904	5,438.2904	0.1042	0.0997	5,470.6074
Hotel	21628	0.2332	2.1204	1.7811	0.0127		0.1612	0.1612		0.1612	0.1612		2,544.4693	2,544.4693	0.0488	0.0467	2,559.5898
Regional Shopping Center	678.466	7.3200e-003	0.0665	0.0559	4.0000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003		79.8195	79.8195	1.5300e-003	1.4600e-003	80.2938
Single Family Housing	18818.2	0.2029	1.7342	0.7380	0.0111		0.1402	0.1402		0.1402	0.1402		2,213.9073	2,213.9073	0.0424	0.0406	2,227.0635
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.8964</b>	<b>34.8697</b>	<b>25.7027</b>	<b>0.2125</b>		<b>2.6921</b>	<b>2.6921</b>		<b>2.6921</b>	<b>2.6921</b>		<b>42,506.7258</b>	<b>42,506.7258</b>	<b>0.8147</b>	<b>0.7793</b>	<b>42,759.3220</b>

### Mitigated

	Natural Gas 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 Low Rise	60.4348	0.6518	5.5695	2.3700	0.0356		0.4503	0.4503		0.4503	0.4503		7,109.9724	7,109.9724	0.1363	0.1304	7,152.2235
Congregate Care (Assisted Living)	14.6807	0.1583	1.3529	0.5757	8.6400e-003		0.1094	0.1094		0.1094	0.1094		1,727.1452	1,727.1452	0.0331	0.0317	1,737.4088
General Office Building	17.1123	0.1845	1.6777	1.4093	0.0101		0.1275	0.1275		0.1275	0.1275		2,013.2152	2,013.2152	0.0386	0.0369	2,025.1787
High Turnover (Sit Down Restaurant)	57.5319	0.6204	5.6404	4.7379	0.0338		0.4287	0.4287		0.4287	0.4287		6,768.4641	6,768.4641	0.1297	0.1241	6,808.6857
Hospital	124.197	1.3394	12.1762	10.2280	0.0731		0.9254	0.9254		0.9254	0.9254		14,611.4424	14,611.4424	0.2801	0.2679	14,698.2709
Hospital	46.2255	0.4985	4.5319	3.8068	0.0272		0.3444	0.3444		0.3444	0.3444		5,438.2904	5,438.2904	0.1042	0.0997	5,470.6074
Hotel	21.628	0.2332	2.1204	1.7811	0.0127		0.1612	0.1612		0.1612	0.1612		2,544.4693	2,544.4693	0.0488	0.0467	2,559.5898
Regional Shopping Center	0.678466	7.3200e-003	0.0665	0.0559	4.0000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003		79.8195	79.8195	1.5300e-003	1.4600e-003	80.2938
Single Family Housing	18.8182	0.2029	1.7342	0.7380	0.0111		0.1402	0.1402		0.1402	0.1402		2,213.9073	2,213.9073	0.0424	0.0406	2,227.0635
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.8964</b>	<b>34.8697</b>	<b>25.7027</b>	<b>0.2125</b>		<b>2.6921</b>	<b>2.6921</b>		<b>2.6921</b>	<b>2.6921</b>		<b>42,506.7258</b>	<b>42,506.7258</b>	<b>0.8147</b>	<b>0.7793</b>	<b>42,759.3220</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	123.3398	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160	0.0000	297.7143	297.7143	0.2844	0.0000	304.8235
Unmitigated	132.4059	20.1458	172.3250	0.1252		2.3913	2.3913		2.3913	2.3913	0.0000	23,591.8320	23,591.8320	0.7308	0.4271	23,737.3664

## 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	32.4763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	92.8550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.1353	18.2471	7.7647	0.1165		1.4753	1.4753		1.4753	1.4753	0.0000	23,294.1177	23,294.1177	0.4465	0.4271	23,432.5429
Landscaping	4.9393	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160		297.7143	297.7143	0.2844		304.8235
<b>Total</b>	<b>132.4059</b>	<b>20.1458</b>	<b>172.3250</b>	<b>0.1252</b>		<b>2.3913</b>	<b>2.3913</b>		<b>2.3913</b>	<b>2.3913</b>	<b>0.0000</b>	<b>23,591.8320</b>	<b>23,591.8320</b>	<b>0.7308</b>	<b>0.4271</b>	<b>23,737.3664</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	32.4763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	85.9242					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	0.0000	0.0000
Landscaping	4.9393	1.8987	164.5603	8.7300e-003		0.9160	0.9160		0.9160	0.9160		297.7143	297.7143	0.2844		304.8235
<b>Total</b>	<b>123.3398</b>	<b>1.8987</b>	<b>164.5603</b>	<b>8.7300e-003</b>		<b>0.9160</b>	<b>0.9160</b>		<b>0.9160</b>	<b>0.9160</b>	<b>0.0000</b>	<b>297.7143</b>	<b>297.7143</b>	<b>0.2844</b>	<b>0.0000</b>	<b>304.8235</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0	50	50	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	3	0.7	270	45	CNG

**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.0113	0.0231	0.2018	1.2400e-003		0.0157	0.0157		0.0157	0.0157		247.0630	247.0630	4.7400e-003		247.1814
Emergency Generator - Diesel (50 - 75 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0113</b>	<b>0.0231</b>	<b>0.2018</b>	<b>1.2400e-003</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0157</b>	<b>0.0157</b>		<b>247.0630</b>	<b>247.0630</b>	<b>4.7400e-003</b>		<b>247.1814</b>

**11.0 Vegetation**

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