

## Latitude Business Park - South Coast Air Basin, Annual

**Latitude Business Park**  
**South Coast Air Basin, Annual**

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	205.77	1000sqft	10.50	205,770.00	0
Industrial Park	174.06	1000sqft	10.50	174,060.00	0
Manufacturing	159.74	1000sqft	10.50	159,740.00	0
Unrefrigerated Warehouse-No Rail	535.21	1000sqft	10.50	535,205.00	0
Parking Lot	2,247.00	Space	24.00	898,800.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	536.32	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

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

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Project Characteristics - RPS 2022 included

Land Use - site ac

Construction Phase - CS

Trips and VMT -

Architectural Coating -

Vehicle Trips - Default

Area Coating - sf

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - adjusted to fit TS... General Industrial, Industrial Park set to default as TS doesn't estimate

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	40.00	10.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	1,110.00	400.00
tblConstructionPhase	NumDays	75.00	300.00
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.09
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.09
tblFleetMix	LDT2	0.20	0.24
tblFleetMix	LDT2	0.20	0.08

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tblFleetMix	LDT2	0.20	0.24
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	0.04
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	0.04
tblLandUse	LandUseSquareFeet	535,210.00	535,205.00
tblLandUse	LotAcreage	4.72	10.50
tblLandUse	LotAcreage	4.00	10.50
tblLandUse	LotAcreage	3.67	10.50
tblLandUse	LotAcreage	12.29	10.50
tblLandUse	LotAcreage	20.22	24.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	536.32
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00

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tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.62	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	6.83	3.37
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74

**2.0 Emissions Summary**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.4005	0.2356
2	4-1-2020	6-30-2020	2.0355	1.4263
3	7-1-2020	9-30-2020	2.7224	2.0750
4	10-1-2020	12-31-2020	3.3063	2.6324
5	1-1-2021	3-31-2021	3.0378	2.4477
6	4-1-2021	6-30-2021	3.0499	2.4533
7	7-1-2021	9-30-2021	3.0835	2.4803
		Highest	3.3063	2.6324

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Energy	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	2,413.3542	2,413.3542	0.0832	0.0290	2,424.0822
Mobile	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Waste						0.0000	0.0000		0.0000	0.0000	237.9379	0.0000	237.9379	14.0617	0.0000	589.4810
Water						0.0000	0.0000		0.0000	0.0000	78.8512	787.2912	866.1424	8.1311	0.1986	1,128.5927
<b>Total</b>	<b>5.3449</b>	<b>6.7184</b>	<b>12.6945</b>	<b>0.0552</b>	<b>4.1297</b>	<b>0.0930</b>	<b>4.2227</b>	<b>1.1094</b>	<b>0.0903</b>	<b>1.1998</b>	<b>316.7891</b>	<b>7,956.6727</b>	<b>8,273.4618</b>	<b>22.5039</b>	<b>0.2276</b>	<b>8,903.8802</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Energy	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	1,930.0775	1,930.0775	0.0634	0.0245	1,938.9673
Mobile	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Waste						0.0000	0.0000		0.0000	0.0000	178.4534	0.0000	178.4534	10.5463	0.0000	442.1108
Water						0.0000	0.0000		0.0000	0.0000	78.8512	787.2912	866.1424	8.1311	0.1986	1,128.5927
<b>Total</b>	<b>5.3449</b>	<b>6.7184</b>	<b>12.6945</b>	<b>0.0552</b>	<b>4.1297</b>	<b>0.0930</b>	<b>4.2227</b>	<b>1.1094</b>	<b>0.0903</b>	<b>1.1998</b>	<b>257.3046</b>	<b>7,473.3960</b>	<b>7,730.7006</b>	<b>18.9686</b>	<b>0.2231</b>	<b>8,271.3950</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.78</b>	<b>6.07</b>	<b>6.56</b>	<b>15.71</b>	<b>1.98</b>	<b>7.10</b>

**3.0 Construction Detail**

**Construction Phase**



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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Paving	Paving	2/26/2020	3/24/2020	5	20	
4	Building Construction	Building Construction	3/25/2020	10/5/2021	5	400	
5	Architectural Coating	Architectural Coating	8/12/2020	10/5/2021	5	300	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 24**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,612,163; Non-Residential Outdoor: 537,388; Striped Parking Area: 53,928 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	829.00	323.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	166.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

**3.2 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

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**3.2 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.1000e-004	3.4100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8898	0.8898	3.0000e-005	0.0000	0.8904
<b>Total</b>	<b>4.0000e-004</b>	<b>3.1000e-004</b>	<b>3.4100e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8898</b>	<b>0.8898</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8904</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>2.3300e-003</b>	<b>0.0101</b>	<b>0.1043</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>3.1000e-004</b>	<b>0.0906</b>	<b>0.0497</b>	<b>3.1000e-004</b>	<b>0.0500</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

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**3.2 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.1000e-004	3.4100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8898	0.8898	3.0000e-005	0.0000	0.8904
<b>Total</b>	<b>4.0000e-004</b>	<b>3.1000e-004</b>	<b>3.4100e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8898</b>	<b>0.8898</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8904</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
<b>Total</b>	<b>0.0668</b>	<b>0.7530</b>	<b>0.4794</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0326</b>	<b>0.1627</b>	<b>0.0540</b>	<b>0.0300</b>	<b>0.0840</b>	<b>0.0000</b>	<b>81.7264</b>	<b>81.7264</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.3872</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	1.0300e-003	0.0114	3.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9659	2.9659	9.0000e-005	0.0000	2.9680
<b>Total</b>	<b>1.3400e-003</b>	<b>1.0300e-003</b>	<b>0.0114</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>3.0000e-005</b>	<b>3.3200e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>2.9659</b>	<b>2.9659</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.9680</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
<b>Total</b>	<b>0.0114</b>	<b>0.0495</b>	<b>0.4950</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>1.5200e-003</b>	<b>0.1316</b>	<b>0.0540</b>	<b>1.5200e-003</b>	<b>0.0555</b>	<b>0.0000</b>	<b>81.7263</b>	<b>81.7263</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.3871</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	1.0300e-003	0.0114	3.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9659	2.9659	9.0000e-005	0.0000	2.9680
<b>Total</b>	<b>1.3400e-003</b>	<b>1.0300e-003</b>	<b>0.0114</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>3.0000e-005</b>	<b>3.3200e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>2.9659</b>	<b>2.9659</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.9680</b>

**3.4 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0450</b>	<b>0.1407</b>	<b>0.1465</b>	<b>2.3000e-004</b>		<b>7.5300e-003</b>	<b>7.5300e-003</b>		<b>6.9300e-003</b>	<b>6.9300e-003</b>	<b>0.0000</b>	<b>20.0282</b>	<b>20.0282</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1902</b>

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**3.4 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
<b>Total</b>	<b>6.7000e-004</b>	<b>5.1000e-004</b>	<b>5.6900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4829</b>	<b>1.4829</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4840</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0342</b>	<b>0.0122</b>	<b>0.1730</b>	<b>2.3000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>20.0282</b>	<b>20.0282</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1901</b>



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**3.4 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
<b>Total</b>	<b>6.7000e-004</b>	<b>5.1000e-004</b>	<b>5.6900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4829</b>	<b>1.4829</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4840</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2141	1.9378	1.7017	2.7200e-003		0.1128	0.1128		0.1061	0.1061	0.0000	233.9261	233.9261	0.0571	0.0000	235.3528
<b>Total</b>	<b>0.2141</b>	<b>1.9378</b>	<b>1.7017</b>	<b>2.7200e-003</b>		<b>0.1128</b>	<b>0.1128</b>		<b>0.1061</b>	<b>0.1061</b>	<b>0.0000</b>	<b>233.9261</b>	<b>233.9261</b>	<b>0.0571</b>	<b>0.0000</b>	<b>235.3528</b>

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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1104	3.4981	0.8821	8.2300e-003	0.2056	0.0171	0.2227	0.0593	0.0164	0.0757	0.0000	798.1130	798.1130	0.0533	0.0000	799.4446
Worker	0.3727	0.2869	3.1765	9.1600e-003	0.9186	7.1400e-003	0.9258	0.2440	6.5800e-003	0.2505	0.0000	827.7696	827.7696	0.0238	0.0000	828.3655
<b>Total</b>	<b>0.4831</b>	<b>3.7850</b>	<b>4.0585</b>	<b>0.0174</b>	<b>1.1242</b>	<b>0.0243</b>	<b>1.1485</b>	<b>0.3033</b>	<b>0.0230</b>	<b>0.3262</b>	<b>0.0000</b>	<b>1,625.8826</b>	<b>1,625.8826</b>	<b>0.0771</b>	<b>0.0000</b>	<b>1,627.8100</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.2257	1.7635	2.7200e-003		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	233.9258	233.9258	0.0571	0.0000	235.3526
<b>Total</b>	<b>0.0331</b>	<b>0.2257</b>	<b>1.7635</b>	<b>2.7200e-003</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>	<b>0.0000</b>	<b>233.9258</b>	<b>233.9258</b>	<b>0.0571</b>	<b>0.0000</b>	<b>235.3526</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1104	3.4981	0.8821	8.2300e-003	0.2056	0.0171	0.2227	0.0593	0.0164	0.0757	0.0000	798.1130	798.1130	0.0533	0.0000	799.4446
Worker	0.3727	0.2869	3.1765	9.1600e-003	0.9186	7.1400e-003	0.9258	0.2440	6.5800e-003	0.2505	0.0000	827.7696	827.7696	0.0238	0.0000	828.3655
<b>Total</b>	<b>0.4831</b>	<b>3.7850</b>	<b>4.0585</b>	<b>0.0174</b>	<b>1.1242</b>	<b>0.0243</b>	<b>1.1485</b>	<b>0.3033</b>	<b>0.0230</b>	<b>0.3262</b>	<b>0.0000</b>	<b>1,625.8826</b>	<b>1,625.8826</b>	<b>0.0771</b>	<b>0.0000</b>	<b>1,627.8100</b>

**3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1882	1.7258	1.6409	2.6700e-003		0.0949	0.0949		0.0892	0.0892	0.0000	229.3209	229.3209	0.0553	0.0000	230.7040
<b>Total</b>	<b>0.1882</b>	<b>1.7258</b>	<b>1.6409</b>	<b>2.6700e-003</b>		<b>0.0949</b>	<b>0.0949</b>		<b>0.0892</b>	<b>0.0892</b>	<b>0.0000</b>	<b>229.3209</b>	<b>229.3209</b>	<b>0.0553</b>	<b>0.0000</b>	<b>230.7040</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1104	0.7861	8.0000e-003	0.2015	6.3400e-003	0.2079	0.0581	6.0600e-003	0.0642	0.0000	776.4226	776.4226	0.0501	0.0000	777.6739
Worker	0.3411	0.2532	2.8642	8.6800e-003	0.9004	6.7900e-003	0.9072	0.2391	6.2500e-003	0.2454	0.0000	785.1339	785.1339	0.0211	0.0000	785.6621
<b>Total</b>	<b>0.4330</b>	<b>3.3636</b>	<b>3.6503</b>	<b>0.0167</b>	<b>1.1020</b>	<b>0.0131</b>	<b>1.1151</b>	<b>0.2973</b>	<b>0.0123</b>	<b>0.3096</b>	<b>0.0000</b>	<b>1,561.5565</b>	<b>1,561.5565</b>	<b>0.0712</b>	<b>0.0000</b>	<b>1,563.3360</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0325	0.2212	1.7286	2.6700e-003		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	229.3206	229.3206	0.0553	0.0000	230.7038
<b>Total</b>	<b>0.0325</b>	<b>0.2212</b>	<b>1.7286</b>	<b>2.6700e-003</b>		<b>4.0400e-003</b>	<b>4.0400e-003</b>		<b>4.0400e-003</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>229.3206</b>	<b>229.3206</b>	<b>0.0553</b>	<b>0.0000</b>	<b>230.7038</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1104	0.7861	8.0000e-003	0.2015	6.3400e-003	0.2079	0.0581	6.0600e-003	0.0642	0.0000	776.4226	776.4226	0.0501	0.0000	777.6739
Worker	0.3411	0.2532	2.8642	8.6800e-003	0.9004	6.7900e-003	0.9072	0.2391	6.2500e-003	0.2454	0.0000	785.1339	785.1339	0.0211	0.0000	785.6621
<b>Total</b>	<b>0.4330</b>	<b>3.3636</b>	<b>3.6503</b>	<b>0.0167</b>	<b>1.1020</b>	<b>0.0131</b>	<b>1.1151</b>	<b>0.2973</b>	<b>0.0123</b>	<b>0.3096</b>	<b>0.0000</b>	<b>1,561.5565</b>	<b>1,561.5565</b>	<b>0.0712</b>	<b>0.0000</b>	<b>1,563.3360</b>

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0859	0.0934	1.5000e-004		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	13.0216	13.0216	1.0100e-003	0.0000	13.0468
<b>Total</b>	<b>1.7486</b>	<b>0.0859</b>	<b>0.0934</b>	<b>1.5000e-004</b>		<b>5.6600e-003</b>	<b>5.6600e-003</b>		<b>5.6600e-003</b>	<b>5.6600e-003</b>	<b>0.0000</b>	<b>13.0216</b>	<b>13.0216</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>13.0468</b>

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**3.6 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0290	0.3212	9.3000e-004	0.0929	7.2000e-004	0.0936	0.0247	6.6000e-004	0.0253	0.0000	83.6974	83.6974	2.4100e-003	0.0000	83.7576
<b>Total</b>	<b>0.0377</b>	<b>0.0290</b>	<b>0.3212</b>	<b>9.3000e-004</b>	<b>0.0929</b>	<b>7.2000e-004</b>	<b>0.0936</b>	<b>0.0247</b>	<b>6.6000e-004</b>	<b>0.0253</b>	<b>0.0000</b>	<b>83.6974</b>	<b>83.6974</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>83.7576</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5200e-003	6.5700e-003	0.0935	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	13.0216	13.0216	1.0100e-003	0.0000	13.0468
<b>Total</b>	<b>1.7378</b>	<b>6.5700e-003</b>	<b>0.0935</b>	<b>1.5000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>13.0216</b>	<b>13.0216</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>13.0468</b>

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**3.6 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0290	0.3212	9.3000e-004	0.0929	7.2000e-004	0.0936	0.0247	6.6000e-004	0.0253	0.0000	83.6974	83.6974	2.4100e-003	0.0000	83.7576
<b>Total</b>	<b>0.0377</b>	<b>0.0290</b>	<b>0.3212</b>	<b>9.3000e-004</b>	<b>0.0929</b>	<b>7.2000e-004</b>	<b>0.0936</b>	<b>0.0247</b>	<b>6.6000e-004</b>	<b>0.0253</b>	<b>0.0000</b>	<b>83.6974</b>	<b>83.6974</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>83.7576</b>

**3.6 Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	3.3703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
<b>Total</b>	<b>3.3920</b>	<b>0.1512</b>	<b>0.1799</b>	<b>2.9000e-004</b>		<b>9.3200e-003</b>	<b>9.3200e-003</b>		<b>9.3200e-003</b>	<b>9.3200e-003</b>	<b>0.0000</b>	<b>25.2772</b>	<b>25.2772</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>25.3206</b>

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**3.6 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0683	0.0507	0.5735	1.7400e-003	0.1803	1.3600e-003	0.1817	0.0479	1.2500e-003	0.0491	0.0000	157.2162	157.2162	4.2300e-003	0.0000	157.3220
<b>Total</b>	<b>0.0683</b>	<b>0.0507</b>	<b>0.5735</b>	<b>1.7400e-003</b>	<b>0.1803</b>	<b>1.3600e-003</b>	<b>0.1817</b>	<b>0.0479</b>	<b>1.2500e-003</b>	<b>0.0491</b>	<b>0.0000</b>	<b>157.2162</b>	<b>157.2162</b>	<b>4.2300e-003</b>	<b>0.0000</b>	<b>157.3220</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0128	0.1814	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
<b>Total</b>	<b>3.3733</b>	<b>0.0128</b>	<b>0.1814</b>	<b>2.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>25.2772</b>	<b>25.2772</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>25.3206</b>



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**3.6 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0683	0.0507	0.5735	1.7400e-003	0.1803	1.3600e-003	0.1817	0.0479	1.2500e-003	0.0491	0.0000	157.2162	157.2162	4.2300e-003	0.0000	157.3220
<b>Total</b>	<b>0.0683</b>	<b>0.0507</b>	<b>0.5735</b>	<b>1.7400e-003</b>	<b>0.1803</b>	<b>1.3600e-003</b>	<b>0.1817</b>	<b>0.0479</b>	<b>1.2500e-003</b>	<b>0.0491</b>	<b>0.0000</b>	<b>157.2162</b>	<b>157.2162</b>	<b>4.2300e-003</b>	<b>0.0000</b>	<b>157.3220</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Unmitigated	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,020.62	0.00	0.00	3,581,583	3,581,583
Industrial Park	586.58	0.00	0.00	1,848,635	1,848,635
Manufacturing	627.78	0.00	0.00	2,203,015	2,203,015
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	931.27	0.00	0.00	3,173,190	3,173,190
<b>Total</b>	<b>3,166.25</b>	<b>0.00</b>	<b>0.00</b>	<b>10,806,424</b>	<b>10,806,424</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
General Light Industry	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Industrial Park	19.02	8.40	6.90	59.00	28.00	13.00	79	19	2
Manufacturing	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Industrial Park	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,206.1508	1,206.1508	0.0495	0.0112	1,210.7387
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,689.4275	1,689.4275	0.0693	0.0158	1,695.8536
Natural Gas Mitigated	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	723.9267	723.9267	0.0139	0.0133	728.2287
Natural Gas Unmitigated	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	723.9267	723.9267	0.0139	0.0133	728.2287

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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	tons/yr										MT/yr					
General Light Industry	6.68547e+006	0.0361	0.3277	0.2753	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.7620	356.7620	6.8400e-003	6.5400e-003	358.8821
Industrial Park	603988	3.2600e-003	0.0296	0.0249	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.2311	32.2311	6.2000e-004	5.9000e-004	32.4226
Manufacturing	5.18995e+006	0.0280	0.2544	0.2137	1.5300e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.9556	276.9556	5.3100e-003	5.0800e-003	278.6014
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.08647e+006	5.8600e-003	0.0533	0.0447	3.2000e-004		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	57.9780	57.9780	1.1100e-003	1.0600e-003	58.3225
<b>Total</b>		<b>0.0732</b>	<b>0.6650</b>	<b>0.5586</b>	<b>4.0000e-003</b>		<b>0.0506</b>	<b>0.0506</b>		<b>0.0506</b>	<b>0.0506</b>	<b>0.0000</b>	<b>723.9267</b>	<b>723.9267</b>	<b>0.0139</b>	<b>0.0133</b>	<b>728.2286</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	6.68547e+006	0.0361	0.3277	0.2753	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.7620	356.7620	6.8400e-003	6.5400e-003	358.8821
Industrial Park	603988	3.2600e-003	0.0296	0.0249	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.2311	32.2311	6.2000e-004	5.9000e-004	32.4226
Manufacturing	5.18995e+006	0.0280	0.2544	0.2137	1.5300e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.9556	276.9556	5.3100e-003	5.0800e-003	278.6014
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.08647e+006	5.8600e-003	0.0533	0.0447	3.2000e-004		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	57.9780	57.9780	1.1100e-003	1.0600e-003	58.3225
<b>Total</b>		<b>0.0732</b>	<b>0.6650</b>	<b>0.5586</b>	<b>4.0000e-003</b>		<b>0.0506</b>	<b>0.0506</b>		<b>0.0506</b>	<b>0.0506</b>	<b>0.0000</b>	<b>723.9267</b>	<b>723.9267</b>	<b>0.0139</b>	<b>0.0133</b>	<b>728.2286</b>

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**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.08857e+006	508.0867	0.0208	4.7400e-003	510.0193
Industrial Park	1.65705e+006	403.1119	0.0165	3.7600e-003	404.6453
Manufacturing	1.62136e+006	394.4296	0.0162	3.6800e-003	395.9299
Parking Lot	314580	76.5281	3.1400e-003	7.1000e-004	76.8192
Unrefrigerated Warehouse-No Rail	1.26308e+006	307.2712	0.0126	2.8600e-003	308.4400
<b>Total</b>		<b>1,689.4275</b>	<b>0.0693</b>	<b>0.0158</b>	<b>1,695.8536</b>

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**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.63639e+006	398.0847	0.0163	3.7100e-003	399.5989
Industrial Park	1.17926e+006	286.8785	0.0118	2.6700e-003	287.9697
Manufacturing	1.27033e+006	309.0346	0.0127	2.8800e-003	310.2101
Parking Lot	78645	19.1320	7.8000e-004	1.8000e-004	19.2048
Unrefrigerated Warehouse-No Rail	793441	193.0210	7.9200e-003	1.8000e-003	193.7552
<b>Total</b>		<b>1,206.1508</b>	<b>0.0495</b>	<b>0.0112</b>	<b>1,210.7387</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Unmitigated	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
<b>Total</b>	<b>4.4564</b>	<b>3.9000e-004</b>	<b>0.0425</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.0824</b>	<b>0.0824</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0879</b>



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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
<b>Total</b>	<b>4.4564</b>	<b>3.9000e-004</b>	<b>0.0425</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.0824</b>	<b>0.0824</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0879</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	866.1424	8.1311	0.1986	1,128.5927
Unmitigated	866.1424	8.1311	0.1986	1,128.5927

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	47.5843 / 0	165.8257	1.5567	0.0380	216.0726
Industrial Park	40.2514 / 0	140.2713	1.3168	0.0322	182.7749
Manufacturing	36.9399 / 0	128.7311	1.2085	0.0295	167.7380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	123.767 / 0	431.3144	4.0490	0.0989	562.0072
<b>Total</b>		<b>866.1424</b>	<b>8.1311</b>	<b>0.1986</b>	<b>1,128.5927</b>

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**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	47.5843 / 0	165.8257	1.5567	0.0380	216.0726
Industrial Park	40.2514 / 0	140.2713	1.3168	0.0322	182.7749
Manufacturing	36.9399 / 0	128.7311	1.2085	0.0295	167.7380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	123.767 / 0	431.3144	4.0490	0.0989	562.0072
<b>Total</b>		<b>866.1424</b>	<b>8.1311</b>	<b>0.1986</b>	<b>1,128.5927</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	178.4534	10.5463	0.0000	442.1108
Unmitigated	237.9379	14.0617	0.0000	589.4810

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	255.15	51.7931	3.0609	0.0000	128.3153
Industrial Park	215.83	43.8115	2.5892	0.0000	108.5412
Manufacturing	198.08	40.2085	2.3763	0.0000	99.6147
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	503.1	102.1248	6.0354	0.0000	253.0098
<b>Total</b>		<b>237.9379</b>	<b>14.0617</b>	<b>0.0000</b>	<b>589.4810</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	191.363	38.8449	2.2957	0.0000	96.2365
Industrial Park	161.873	32.8587	1.9419	0.0000	81.4059
Manufacturing	148.56	30.1563	1.7822	0.0000	74.7111
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	377.325	76.5936	4.5266	0.0000	189.7573
<b>Total</b>		<b>178.4534</b>	<b>10.5463</b>	<b>0.0000</b>	<b>442.1108</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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