

Kerman Eastside Community Park - San Joaquin Valley Unified APCD Air District, Annual

**Kerman Eastside Community Park**  
**San Joaquin Valley Unified APCD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	15.50	Acre	15.50	675,180.00	0

**1.2 Other Project Characteristics**

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2020
Utility Company					
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

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

Project Characteristics -

Land Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

**2.0 Emissions Summary**

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2773	2.5404	1.8959	4.4400e-003	0.3572	0.1096	0.4668	0.1404	0.1019	0.2424	0.0000	401.6119	401.6119	0.0703	0.0000	403.3685
2020	0.5161	4.1128	3.8861	0.0111	0.5026	0.1516	0.6542	0.1354	0.1425	0.2779	0.0000	1,003.3310	1,003.3310	0.1121	0.0000	1,006.1335
2021	4.2300e-003	0.0139	0.0321	8.0000e-005	5.6700e-003	7.9000e-004	6.4600e-003	1.5100e-003	7.9000e-004	2.2900e-003	0.0000	6.9074	6.9074	2.6000e-004	0.0000	6.9140
<b>Maximum</b>	<b>0.5161</b>	<b>4.1128</b>	<b>3.8861</b>	<b>0.0111</b>	<b>0.5026</b>	<b>0.1516</b>	<b>0.6542</b>	<b>0.1404</b>	<b>0.1425</b>	<b>0.2779</b>	<b>0.0000</b>	<b>1,003.3310</b>	<b>1,003.3310</b>	<b>0.1121</b>	<b>0.0000</b>	<b>1,006.1335</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2773	2.5404	1.8959	4.4400e-003	0.3572	0.1096	0.4668	0.1404	0.1019	0.2424	0.0000	401.6117	401.6117	0.0703	0.0000	403.3682
2020	0.5161	4.1128	3.8861	0.0111	0.5026	0.1516	0.6542	0.1354	0.1425	0.2779	0.0000	1,003.3306	1,003.3306	0.1121	0.0000	1,006.1331
2021	4.2300e-003	0.0139	0.0321	8.0000e-005	5.6700e-003	7.9000e-004	6.4600e-003	1.5100e-003	7.9000e-004	2.2900e-003	0.0000	6.9074	6.9074	2.6000e-004	0.0000	6.9140
<b>Maximum</b>	<b>0.5161</b>	<b>4.1128</b>	<b>3.8861</b>	<b>0.0111</b>	<b>0.5026</b>	<b>0.1516</b>	<b>0.6542</b>	<b>0.1404</b>	<b>0.1425</b>	<b>0.2779</b>	<b>0.0000</b>	<b>1,003.3306</b>	<b>1,003.3306</b>	<b>0.1121</b>	<b>0.0000</b>	<b>1,006.1331</b>

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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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-13-2019	10-12-2019	1.6565	1.6565
2	10-13-2019	1-12-2020	1.3501	1.3501
3	1-13-2020	4-12-2020	1.2267	1.2267
4	4-13-2020	7-12-2020	1.2169	1.2169
5	7-13-2020	10-12-2020	1.2318	1.2318
6	10-13-2020	1-12-2021	0.7922	0.7922
7	1-13-2021	4-12-2021	0.0083	0.0083
		Highest	1.6565	1.6565

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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	tons/yr										MT/yr					
Area	6.3600e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.8000e-004	2.8000e-004	0.0000	0.0000	3.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0420	0.4394	0.4138	1.7800e-003	0.1020	1.9900e-003	0.1039	0.0274	1.8800e-003	0.0293	0.0000	165.6275	165.6275	0.0122	0.0000	165.9322
Waste						0.0000	0.0000		0.0000	0.0000	0.2700	0.0000	0.2700	0.0160	0.0000	0.6689
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0483</b>	<b>0.4394</b>	<b>0.4140</b>	<b>1.7800e-003</b>	<b>0.1020</b>	<b>1.9900e-003</b>	<b>0.1039</b>	<b>0.0274</b>	<b>1.8800e-003</b>	<b>0.0293</b>	<b>0.2700</b>	<b>165.6278</b>	<b>165.8978</b>	<b>0.0282</b>	<b>0.0000</b>	<b>166.6013</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	6.3600e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.8000e-004	2.8000e-004	0.0000	0.0000	3.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0420	0.4394	0.4138	1.7800e-003	0.1020	1.9900e-003	0.1039	0.0274	1.8800e-003	0.0293	0.0000	165.6275	165.6275	0.0122	0.0000	165.9322
Waste						0.0000	0.0000		0.0000	0.0000	0.2700	0.0000	0.2700	0.0160	0.0000	0.6689
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0483</b>	<b>0.4394</b>	<b>0.4140</b>	<b>1.7800e-003</b>	<b>0.1020</b>	<b>1.9900e-003</b>	<b>0.1039</b>	<b>0.0274</b>	<b>1.8800e-003</b>	<b>0.0293</b>	<b>0.2700</b>	<b>165.6278</b>	<b>165.8978</b>	<b>0.0282</b>	<b>0.0000</b>	<b>166.6013</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

**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	Demolition	Demolition	7/13/2019	8/9/2019	5	20	
2	Site Preparation	Site Preparation	8/10/2019	8/23/2019	5	10	
3	Grading	Grading	8/24/2019	10/4/2019	5	30	
4	Building Construction	Building Construction	10/5/2019	11/27/2020	5	300	
5	Paving	Paving	11/28/2020	12/25/2020	5	20	
6	Architectural Coating	Architectural Coating	12/26/2020	1/22/2021	5	20	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	284.00	111.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	57.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672
<b>Total</b>	<b>0.0351</b>	<b>0.3578</b>	<b>0.2206</b>	<b>3.9000e-004</b>		<b>0.0180</b>	<b>0.0180</b>		<b>0.0167</b>	<b>0.0167</b>	<b>0.0000</b>	<b>34.6263</b>	<b>34.6263</b>	<b>9.6300e-003</b>	<b>0.0000</b>	<b>34.8672</b>



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**3.2 Demolition - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	9.7000e-004	7.3000e-004	7.1300e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.7110	1.7110	5.0000e-005	0.0000	1.7123
<b>Total</b>	<b>9.7000e-004</b>	<b>7.3000e-004</b>	<b>7.1300e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.7110</b>	<b>1.7110</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.7123</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	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671
<b>Total</b>	<b>0.0351</b>	<b>0.3578</b>	<b>0.2206</b>	<b>3.9000e-004</b>		<b>0.0180</b>	<b>0.0180</b>		<b>0.0167</b>	<b>0.0167</b>	<b>0.0000</b>	<b>34.6263</b>	<b>34.6263</b>	<b>9.6300e-003</b>	<b>0.0000</b>	<b>34.8671</b>

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**3.2 Demolition - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	9.7000e-004	7.3000e-004	7.1300e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.7110	1.7110	5.0000e-005	0.0000	1.7123
<b>Total</b>	<b>9.7000e-004</b>	<b>7.3000e-004</b>	<b>7.1300e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.7110</b>	<b>1.7110</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.7123</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0120</b>	<b>0.1023</b>	<b>0.0497</b>	<b>0.0110</b>	<b>0.0607</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

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**3.3 Site Preparation - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	5.8000e-004	4.4000e-004	4.2800e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	1.0266	1.0266	3.0000e-005	0.0000	1.0274
<b>Total</b>	<b>5.8000e-004</b>	<b>4.4000e-004</b>	<b>4.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>1.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.0266</b>	<b>1.0266</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0274</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	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0120</b>	<b>0.1023</b>	<b>0.0497</b>	<b>0.0110</b>	<b>0.0607</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

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**3.3 Site Preparation - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	5.8000e-004	4.4000e-004	4.2800e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	1.0266	1.0266	3.0000e-005	0.0000	1.0274
<b>Total</b>	<b>5.8000e-004</b>	<b>4.4000e-004</b>	<b>4.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>1.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.0266</b>	<b>1.0266</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0274</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0711	0.8178	0.5007	9.3000e-004		0.0357	0.0357		0.0329	0.0329	0.0000	83.5520	83.5520	0.0264	0.0000	84.2129
<b>Total</b>	<b>0.0711</b>	<b>0.8178</b>	<b>0.5007</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0357</b>	<b>0.1658</b>	<b>0.0540</b>	<b>0.0329</b>	<b>0.0868</b>	<b>0.0000</b>	<b>83.5520</b>	<b>83.5520</b>	<b>0.0264</b>	<b>0.0000</b>	<b>84.2129</b>

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**3.4 Grading - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.9400e-003	1.4500e-003	0.0143	4.0000e-005	3.7300e-003	3.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	3.4220	3.4220	1.1000e-004	0.0000	3.4246
<b>Total</b>	<b>1.9400e-003</b>	<b>1.4500e-003</b>	<b>0.0143</b>	<b>4.0000e-005</b>	<b>3.7300e-003</b>	<b>3.0000e-005</b>	<b>3.7600e-003</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>3.4220</b>	<b>3.4220</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.4246</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	0.0711	0.8178	0.5007	9.3000e-004		0.0357	0.0357		0.0329	0.0329	0.0000	83.5519	83.5519	0.0264	0.0000	84.2128
<b>Total</b>	<b>0.0711</b>	<b>0.8178</b>	<b>0.5007</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0357</b>	<b>0.1658</b>	<b>0.0540</b>	<b>0.0329</b>	<b>0.0868</b>	<b>0.0000</b>	<b>83.5519</b>	<b>83.5519</b>	<b>0.0264</b>	<b>0.0000</b>	<b>84.2128</b>

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**3.4 Grading - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.9400e-003	1.4500e-003	0.0143	4.0000e-005	3.7300e-003	3.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	3.4220	3.4220	1.1000e-004	0.0000	3.4246
<b>Total</b>	<b>1.9400e-003</b>	<b>1.4500e-003</b>	<b>0.0143</b>	<b>4.0000e-005</b>	<b>3.7300e-003</b>	<b>3.0000e-005</b>	<b>3.7600e-003</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>3.4220</b>	<b>3.4220</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.4246</b>

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0732	0.6534	0.5321	8.3000e-004		0.0400	0.0400		0.0376	0.0376	0.0000	72.8823	72.8823	0.0178	0.0000	73.3262
<b>Total</b>	<b>0.0732</b>	<b>0.6534</b>	<b>0.5321</b>	<b>8.3000e-004</b>		<b>0.0400</b>	<b>0.0400</b>		<b>0.0376</b>	<b>0.0376</b>	<b>0.0000</b>	<b>72.8823</b>	<b>72.8823</b>	<b>0.0178</b>	<b>0.0000</b>	<b>73.3262</b>

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**3.5 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0158	0.4383	0.0879	9.1000e-004	0.0206	3.1600e-003	0.0238	5.9600e-003	3.0200e-003	8.9800e-003	0.0000	86.8842	86.8842	7.7500e-003	0.0000	87.0780
Worker	0.0570	0.0426	0.4187	1.1100e-003	0.1094	7.7000e-004	0.1102	0.0291	7.1000e-004	0.0298	0.0000	100.4232	100.4232	3.0900e-003	0.0000	100.5006
<b>Total</b>	<b>0.0727</b>	<b>0.4809</b>	<b>0.5066</b>	<b>2.0200e-003</b>	<b>0.1301</b>	<b>3.9300e-003</b>	<b>0.1340</b>	<b>0.0350</b>	<b>3.7300e-003</b>	<b>0.0388</b>	<b>0.0000</b>	<b>187.3074</b>	<b>187.3074</b>	<b>0.0108</b>	<b>0.0000</b>	<b>187.5785</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	0.0732	0.6534	0.5321	8.3000e-004		0.0400	0.0400		0.0376	0.0376	0.0000	72.8822	72.8822	0.0178	0.0000	73.3261
<b>Total</b>	<b>0.0732</b>	<b>0.6534</b>	<b>0.5321</b>	<b>8.3000e-004</b>		<b>0.0400</b>	<b>0.0400</b>		<b>0.0376</b>	<b>0.0376</b>	<b>0.0000</b>	<b>72.8822</b>	<b>72.8822</b>	<b>0.0178</b>	<b>0.0000</b>	<b>73.3261</b>

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**3.5 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0158	0.4383	0.0879	9.1000e-004	0.0206	3.1600e-003	0.0238	5.9600e-003	3.0200e-003	8.9800e-003	0.0000	86.8842	86.8842	7.7500e-003	0.0000	87.0780
Worker	0.0570	0.0426	0.4187	1.1100e-003	0.1094	7.7000e-004	0.1102	0.0291	7.1000e-004	0.0298	0.0000	100.4232	100.4232	3.0900e-003	0.0000	100.5006
<b>Total</b>	<b>0.0727</b>	<b>0.4809</b>	<b>0.5066</b>	<b>2.0200e-003</b>	<b>0.1301</b>	<b>3.9300e-003</b>	<b>0.1340</b>	<b>0.0350</b>	<b>3.7300e-003</b>	<b>0.0388</b>	<b>0.0000</b>	<b>187.3074</b>	<b>187.3074</b>	<b>0.0108</b>	<b>0.0000</b>	<b>187.5785</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	0.2523	2.2831	2.0050	3.2000e-003		0.1329	0.1329		0.1250	0.1250	0.0000	275.6159	275.6159	0.0672	0.0000	277.2969
<b>Total</b>	<b>0.2523</b>	<b>2.2831</b>	<b>2.0050</b>	<b>3.2000e-003</b>		<b>0.1329</b>	<b>0.1329</b>		<b>0.1250</b>	<b>0.1250</b>	<b>0.0000</b>	<b>275.6159</b>	<b>275.6159</b>	<b>0.0672</b>	<b>0.0000</b>	<b>277.2969</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	0.0493	1.5408	0.2911	3.4800e-003	0.0792	8.0700e-003	0.0873	0.0229	7.7200e-003	0.0306	0.0000	330.7057	330.7057	0.0280	0.0000	331.4044
Worker	0.1990	0.1438	1.4287	4.1300e-003	0.4201	2.8700e-003	0.4230	0.1116	2.6400e-003	0.1143	0.0000	373.5525	373.5525	0.0103	0.0000	373.8103
<b>Total</b>	<b>0.2482</b>	<b>1.6845</b>	<b>1.7198</b>	<b>7.6100e-003</b>	<b>0.4993</b>	<b>0.0109</b>	<b>0.5103</b>	<b>0.1345</b>	<b>0.0104</b>	<b>0.1449</b>	<b>0.0000</b>	<b>704.2582</b>	<b>704.2582</b>	<b>0.0383</b>	<b>0.0000</b>	<b>705.2147</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	0.2523	2.2831	2.0050	3.2000e-003		0.1329	0.1329		0.1250	0.1250	0.0000	275.6156	275.6156	0.0672	0.0000	277.2966
<b>Total</b>	<b>0.2523</b>	<b>2.2831</b>	<b>2.0050</b>	<b>3.2000e-003</b>		<b>0.1329</b>	<b>0.1329</b>		<b>0.1250</b>	<b>0.1250</b>	<b>0.0000</b>	<b>275.6156</b>	<b>275.6156</b>	<b>0.0672</b>	<b>0.0000</b>	<b>277.2966</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	0.0493	1.5408	0.2911	3.4800e-003	0.0792	8.0700e-003	0.0873	0.0229	7.7200e-003	0.0306	0.0000	330.7057	330.7057	0.0280	0.0000	331.4044
Worker	0.1990	0.1438	1.4287	4.1300e-003	0.4201	2.8700e-003	0.4230	0.1116	2.6400e-003	0.1143	0.0000	373.5525	373.5525	0.0103	0.0000	373.8103
<b>Total</b>	<b>0.2482</b>	<b>1.6845</b>	<b>1.7198</b>	<b>7.6100e-003</b>	<b>0.4993</b>	<b>0.0109</b>	<b>0.5103</b>	<b>0.1345</b>	<b>0.0104</b>	<b>0.1449</b>	<b>0.0000</b>	<b>704.2582</b>	<b>704.2582</b>	<b>0.0383</b>	<b>0.0000</b>	<b>705.2147</b>

**3.6 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0136</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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**3.6 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	8.8000e-004	6.4000e-004	6.3400e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6580	1.6580	5.0000e-005	0.0000	1.6591
<b>Total</b>	<b>8.8000e-004</b>	<b>6.4000e-004</b>	<b>6.3400e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.6580</b>	<b>1.6580</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.6591</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	0.0136	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	20.1901
Paving	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>0.0136</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>20.1901</b>

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**3.6 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	8.8000e-004	6.4000e-004	6.3400e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6580	1.6580	5.0000e-005	0.0000	1.6591
<b>Total</b>	<b>8.8000e-004</b>	<b>6.4000e-004</b>	<b>6.3400e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.6580</b>	<b>1.6580</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.6591</b>

**3.7 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.3700e-003	3.6600e-003	1.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	0.5107	0.5107	4.0000e-005	0.0000	0.5116
<b>Total</b>	<b>4.8000e-004</b>	<b>3.3700e-003</b>	<b>3.6600e-003</b>	<b>1.0000e-005</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.5107</b>	<b>0.5107</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.5116</b>

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**3.7 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.8000e-004	4.8200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2601	1.2601	3.0000e-005	0.0000	1.2609
<b>Total</b>	<b>6.7000e-004</b>	<b>4.8000e-004</b>	<b>4.8200e-003</b>	<b>1.0000e-005</b>	<b>1.4200e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2601</b>	<b>1.2601</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2609</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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.3700e-003	3.6600e-003	1.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	0.5107	0.5107	4.0000e-005	0.0000	0.5116
<b>Total</b>	<b>4.8000e-004</b>	<b>3.3700e-003</b>	<b>3.6600e-003</b>	<b>1.0000e-005</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.5107</b>	<b>0.5107</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.5116</b>

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**3.7 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.8000e-004	4.8200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2601	1.2601	3.0000e-005	0.0000	1.2609
<b>Total</b>	<b>6.7000e-004</b>	<b>4.8000e-004</b>	<b>4.8200e-003</b>	<b>1.0000e-005</b>	<b>1.4200e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2601</b>	<b>1.2601</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2609</b>

**3.7 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7500e-003	0.0122	0.0145	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	2.0426	2.0426	1.4000e-004	0.0000	2.0461
<b>Total</b>	<b>1.7500e-003</b>	<b>0.0122</b>	<b>0.0145</b>	<b>2.0000e-005</b>		<b>7.5000e-004</b>	<b>7.5000e-004</b>		<b>7.5000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.0426</b>	<b>2.0426</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.0461</b>

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**3.7 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	2.4800e-003	1.7300e-003	0.0175	5.0000e-005	5.6700e-003	4.0000e-005	5.7100e-003	1.5100e-003	3.0000e-005	1.5400e-003	0.0000	4.8648	4.8648	1.2000e-004	0.0000	4.8679
<b>Total</b>	<b>2.4800e-003</b>	<b>1.7300e-003</b>	<b>0.0175</b>	<b>5.0000e-005</b>	<b>5.6700e-003</b>	<b>4.0000e-005</b>	<b>5.7100e-003</b>	<b>1.5100e-003</b>	<b>3.0000e-005</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>4.8648</b>	<b>4.8648</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.8679</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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7500e-003	0.0122	0.0145	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	2.0426	2.0426	1.4000e-004	0.0000	2.0461
<b>Total</b>	<b>1.7500e-003</b>	<b>0.0122</b>	<b>0.0145</b>	<b>2.0000e-005</b>		<b>7.5000e-004</b>	<b>7.5000e-004</b>		<b>7.5000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.0426</b>	<b>2.0426</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.0461</b>

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**3.7 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	2.4800e-003	1.7300e-003	0.0175	5.0000e-005	5.6700e-003	4.0000e-005	5.7100e-003	1.5100e-003	3.0000e-005	1.5400e-003	0.0000	4.8648	4.8648	1.2000e-004	0.0000	4.8679
<b>Total</b>	<b>2.4800e-003</b>	<b>1.7300e-003</b>	<b>0.0175</b>	<b>5.0000e-005</b>	<b>5.6700e-003</b>	<b>4.0000e-005</b>	<b>5.7100e-003</b>	<b>1.5100e-003</b>	<b>3.0000e-005</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>4.8648</b>	<b>4.8648</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.8679</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	0.0420	0.4394	0.4138	1.7800e-003	0.1020	1.9900e-003	0.1039	0.0274	1.8800e-003	0.0293	0.0000	165.6275	165.6275	0.0122	0.0000	165.9322
Unmitigated	0.0420	0.4394	0.4138	1.7800e-003	0.1020	1.9900e-003	0.1039	0.0274	1.8800e-003	0.0293	0.0000	165.6275	165.6275	0.0122	0.0000	165.9322

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.30	352.63	259.47	267,256	267,256
Total	29.30	352.63	259.47	267,256	267,256

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.499524	0.033454	0.168279	0.130431	0.021581	0.005690	0.021752	0.108566	0.001799	0.001690	0.005397	0.000987	0.000848

5.0 Energy Detail

Historical Energy Use: N



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**5.2 Energy by Land Use - Natural Gas**

**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	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	tons/yr										MT/yr					
Mitigated	6.3600e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.8000e-004	2.8000e-004	0.0000	0.0000	3.0000e-004
Unmitigated	6.3600e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.8000e-004	2.8000e-004	0.0000	0.0000	3.0000e-004

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**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.8000e-004	2.8000e-004	0.0000	0.0000	3.0000e-004
<b>Total</b>	<b>6.3600e-003</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.8000e-004	2.8000e-004	0.0000	0.0000	3.0000e-004
<b>Total</b>	<b>6.3600e-003</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 18.468	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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			
City Park	0 / 18.468	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2700	0.0160	0.0000	0.6689
Unmitigated	0.2700	0.0160	0.0000	0.6689

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.33	0.2700	0.0160	0.0000	0.6689
<b>Total</b>		<b>0.2700</b>	<b>0.0160</b>	<b>0.0000</b>	<b>0.6689</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.33	0.2700	0.0160	0.0000	0.6689
<b>Total</b>		<b>0.2700</b>	<b>0.0160</b>	<b>0.0000</b>	<b>0.6689</b>

**9.0 Operational Offroad**

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

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**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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