

**APPENDIX G**  
*CalEEMod Data Sheets*



Kimmelman Project - Existing Victoria Links Golf Course - South Coast AQMD Air District, Annual

**Kimmelman Project - Existing Victoria Links Golf Course  
South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Golf Course	87.00	Acre	87.00	3,789,720.00	0
Health Club	17.70	1000sqft	0.00	17,700.00	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>	11			<b>Operational Year</b>	2000
<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 - Operational year - 2000.

Land Use - Lot Acreage accounted for in the Golf Course land use.

Construction Phase - No construction. Estimating existing operational emissions only.

Off-road Equipment - No Construction.

Trips and VMT - No construction.

Grading - No Construction.

Vehicle Trips - Trip Generation rates are based on daily trips for the existing golf course from the project's traffic study.

Energy Use - CalEEMod Defaults

Water And Wastewater - Existing water use data provided by the projet applicant.

Off-road Equipment - No Construction use

Off-road Equipment - No Construction use

Off-road Equipment - No Construction activity

Off-road Equipment - No construction activity

Off-road Equipment - No construction activity

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	0.00
tblConstructionPhase	NumDays	1,550.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	155.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblConstructionPhase	NumDays	60.00	0.00
tblConstructionPhase	PhaseEndDate	3/26/2027	10/23/2026
tblConstructionPhase	PhaseEndDate	5/22/2026	6/12/2020
tblConstructionPhase	PhaseEndDate	8/16/2019	3/31/2019
tblConstructionPhase	PhaseEndDate	6/12/2020	11/8/2019
tblConstructionPhase	PhaseEndDate	10/23/2026	5/22/2026
tblConstructionPhase	PhaseEndDate	11/8/2019	8/16/2019
tblLandUse	LotAcreage	0.41	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00



Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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)
		Highest		

**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	0.1204	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.6000e-003	2.6000e-003	2.0000e-005	0.0000	3.0400e-003

Energy	1.7300e-003	0.0157	0.0132	9.0000e-005		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	79.6957	79.6957	2.9100e-003	8.5000e-004	80.0213
Mobile	0.8556	2.3027	10.8356	0.0139	0.3491	0.0560	0.4050	0.0936	0.0531	0.1467	0.0000	474.5181	474.5181	0.0802	0.0000	476.5224
Waste						0.0000	0.0000		0.0000	0.0000	36.9038	0.0000	36.9038	2.1810	0.0000	91.4275
Water						0.0000	0.0000		0.0000	0.0000	0.3321	373.5547	373.8868	0.0495	4.0000e-003	376.3160
<b>Total</b>	<b>0.9777</b>	<b>2.3184</b>	<b>10.8512</b>	<b>0.0139</b>	<b>0.3491</b>	<b>0.0572</b>	<b>0.4062</b>	<b>0.0936</b>	<b>0.0543</b>	<b>0.1479</b>	<b>37.2359</b>	<b>927.7711</b>	<b>965.0070</b>	<b>2.3136</b>	<b>4.8500e-003</b>	<b>1,024.2902</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	tons/yr										MT/yr					
Area	0.1204	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.6000e-003	2.6000e-003	2.0000e-005	0.0000	3.0400e-003
Energy	1.7300e-003	0.0157	0.0132	9.0000e-005		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	79.6957	79.6957	2.9100e-003	8.5000e-004	80.0213
Mobile	0.8556	2.3027	10.8356	0.0139	0.3491	0.0560	0.4050	0.0936	0.0531	0.1467	0.0000	474.5181	474.5181	0.0802	0.0000	476.5224
Waste						0.0000	0.0000		0.0000	0.0000	36.9038	0.0000	36.9038	2.1810	0.0000	91.4275
Water						0.0000	0.0000		0.0000	0.0000	0.3321	373.5547	373.8868	0.0495	4.0000e-003	376.3160
<b>Total</b>	<b>0.9777</b>	<b>2.3184</b>	<b>10.8512</b>	<b>0.0139</b>	<b>0.3491</b>	<b>0.0572</b>	<b>0.4062</b>	<b>0.0936</b>	<b>0.0543</b>	<b>0.1479</b>	<b>37.2359</b>	<b>927.7711</b>	<b>965.0070</b>	<b>2.3136</b>	<b>4.8500e-003</b>	<b>1,024.2902</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	4/1/2019	3/31/2019	5	0	
2	Site Preparation	Site Preparation	8/17/2019	8/16/2019	5	0	
3	Grading	Grading	11/9/2019	11/8/2019	5	0	
4	Building Construction	Building Construction	6/13/2020	6/12/2020	5	0	
5	Paving	Paving	5/23/2026	5/22/2026	5	0	
6	Architectural Coating	Architectural Coating	10/24/2026	10/23/2026	5	0	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,550; Non-Residential Outdoor: 8,850; Striped Parking Area: 0**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45





**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	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</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
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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	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>
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**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

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



**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	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</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
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<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>	<b>0.0000</b>	<b>0.0000</b>
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**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</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	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	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**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	tons/yr										MT/yr					
Mitigated	0.8556	2.3027	10.8356	0.0139	0.3491	0.0560	0.4050	0.0936	0.0531	0.1467	0.0000	474.5181	474.5181	0.0802	0.0000	476.5224

Unmitigated	0.8556	2.3027	10.8356	0.0139	0.3491	0.0560	0.4050	0.0936	0.0531	0.1467	0.0000	474.5181	474.5181	0.0802	0.0000	476.5224
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#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Golf Course	325.38	506.34	506.34	918,390	918,390
Health Club	0.00	0.00	0.00		
Total	325.38	506.34	506.34	918,390	918,390

#### 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
Golf Course	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Golf Course	0.563301	0.087805	0.177371	0.086750	0.024607	0.005004	0.019215	0.027860	0.001385	0.001867	0.001946	0.000664	0.002226
Health Club	0.563301	0.087805	0.177371	0.086750	0.024607	0.005004	0.019215	0.027860	0.001385	0.001867	0.001946	0.000664	0.002226

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr								MT/yr							
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62.5996	62.5996	2.5800e-003	5.3000e-004	62.8235
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62.5996	62.5996	2.5800e-003	5.3000e-004	62.8235
NaturalGas Mitigated	1.7300e-003	0.0157	0.0132	9.0000e-005		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	17.0962	17.0962	3.3000e-004	3.1000e-004	17.1978
NaturalGas Unmitigated	1.7300e-003	0.0157	0.0132	9.0000e-005		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	17.0962	17.0962	3.3000e-004	3.1000e-004	17.1978

## 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					
Golf Course	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
Health Club	320370	1.7300e-003	0.0157	0.0132	9.0000e-005		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	17.0962	17.0962	3.3000e-004	3.1000e-004	17.1978
<b>Total</b>		<b>1.7300e-003</b>	<b>0.0157</b>	<b>0.0132</b>	<b>9.0000e-005</b>		<b>1.1900e-003</b>	<b>1.1900e-003</b>		<b>1.1900e-003</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>17.0962</b>	<b>17.0962</b>	<b>3.3000e-004</b>	<b>3.1000e-004</b>	<b>17.1978</b>

### 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					
Golf Course	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
Health Club	320370	1.7300e-003	0.0157	0.0132	9.0000e-005		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	17.0962	17.0962	3.3000e-004	3.1000e-004	17.1978
<b>Total</b>		<b>1.7300e-003</b>	<b>0.0157</b>	<b>0.0132</b>	<b>9.0000e-005</b>		<b>1.1900e-003</b>	<b>1.1900e-003</b>		<b>1.1900e-003</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>17.0962</b>	<b>17.0962</b>	<b>3.3000e-004</b>	<b>3.1000e-004</b>	<b>17.1978</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Health Club	196470	62.5996	2.5800e-003	5.3000e-004	62.8235
<b>Total</b>		<b>62.5996</b>	<b>2.5800e-003</b>	<b>5.3000e-004</b>	<b>62.8235</b>

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Health Club	196470	62.5996	2.5800e-003	5.3000e-004	62.8235
<b>Total</b>		<b>62.5996</b>	<b>2.5800e-003</b>	<b>5.3000e-004</b>	<b>62.8235</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	0.1204	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.6000e-003	2.6000e-003	2.0000e-005	0.0000	3.0400e-003
Unmitigated	0.1204	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.6000e-003	2.6000e-003	2.0000e-005	0.0000	3.0400e-003

## 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	0.0205					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.6000e-003	2.6000e-003	2.0000e-005	0.0000	3.0400e-003
<b>Total</b>	<b>0.1204</b>	<b>2.0000e-005</b>	<b>2.3700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.6000e-003</b>	<b>2.6000e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0400e-003</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
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SubCategory	tons/yr								MT/yr						
Architectural Coating	0.0205				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0996				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	2.0000e-005	2.3700e-003	0.0000	1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.6000e-003	2.6000e-003	2.0000e-005	0.0000	3.0400e-003
<b>Total</b>	<b>0.1204</b>	<b>2.0000e-005</b>	<b>2.3700e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.6000e-003</b>	<b>2.6000e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0400e-003</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	373.8868	0.0495	4.0000e-003	376.3160
Unmitigated	373.8868	0.0495	4.0000e-003	376.3160

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Golf Course	0 / 103.659	366.9404	0.0152	3.1300e-003	368.2531



Health Club	1.04683 / 0.641608	6.9464	0.0344	8.6000e- 004	8.0629
<b>Total</b>		<b>373.8868</b>	<b>0.0495</b>	<b>3.9900e- 003</b>	<b>376.3160</b>

**Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Golf Course	0 / 103.659	366.9404	0.0152	3.1300e- 003	368.2531
Health Club	1.04683 / 0.641608	6.9464	0.0344	8.6000e- 004	8.0629
<b>Total</b>		<b>373.8868</b>	<b>0.0495</b>	<b>3.9900e- 003</b>	<b>376.3160</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	36.9038	2.1810	0.0000	91.4275
Unmitigated	36.9038	2.1810	0.0000	91.4275

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Golf Course	80.91	16.4240	0.9706	0.0000	40.6898
Health Club	100.89	20.4798	1.2103	0.0000	50.7377
<b>Total</b>		<b>36.9038</b>	<b>2.1810</b>	<b>0.0000</b>	<b>91.4275</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Golf Course	80.91	16.4240	0.9706	0.0000	40.6898
Health Club	100.89	20.4798	1.2103	0.0000	50.7377
<b>Total</b>		<b>36.9038</b>	<b>2.1810</b>	<b>0.0000</b>	<b>91.4275</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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Kimmelman Foundation Center - South Coast AQMD Air District, Annual

**Kimmelman Foundation Center  
South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.53	23,000.00	0
General Office Building	10.00	1000sqft	0.23	10,000.00	0
General Office Building	3.00	1000sqft	0.07	3,000.00	0
General Office Building	13.00	1000sqft	0.30	13,000.00	0
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Library	25.00	1000sqft	0.57	25,000.00	0
Other Asphalt Surfaces	29.00	Acre	29.00	1,263,240.00	0
Other Non-Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	1,193.00	Space	10.74	477,200.00	0
City Park	58.00	Acre	58.00	2,526,480.00	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>	11			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	588.29	<b>CH4 Intensity (lb/MW hr)</b>	0.024	<b>N2O Intensity (lb/MW hr)</b>	0.005

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

Project Characteristics - Operational year 2021. CO2 and CH4. Intensity factors based on SCE RPS data for 2021.

Land Use - Proposed land use data was provided by the project applicant.

Construction Phase - Construction phasing was provided by the project applicant.

Off-road Equipment - Construction off-road equipment information was provided by the project applicant.

Off-road Equipment - Construction off-road equipment information was provided by the project applicant.

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Off-road Equipment - Construction off-road equipment information was provided by the project applicant.

Trips and VMT - Construction trip data provided by the project applicant.

Grading - CalEEMod defaults.

Vehicle Trips - Week day and weekend trip rates are based on the trip generation values identified in the proposed project's traffic report.

Area Coating - parking lot area provided by the project applicant.

Energy Use - Additional energy use from outdoor lighting was captured under the parking lot land use.

Water And Wastewater - Water use based in information from the project applicant.

Construction Off-road Equipment Mitigation - use of Tier 4 final engines in construction equipment over 75 horsepower and In compliance with SCAQMD Rule 402.

Water Mitigation - NA

Waste Mitigation - In compliance with AB 341.

Fleet Mix - CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	107,040.00	104,426.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	3,100.00	132.00
tblConstructionPhase	NumDays	310.00	65.00
tblConstructionPhase	NumDays	310.00	45.00



tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.024
tblProjectCharacteristics	CO2IntensityFactor	702.44	588.29
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	0.00	10,500.00
tblTripsAndVMT	HaulingTripNumber	0.00	132.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,500.00
tblTripsAndVMT	HaulingTripNumber	0.00	621.00
tblTripsAndVMT	HaulingTripNumber	0.00	460.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	44.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	719.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,838.00	50.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	368.00	30.00
tblVehicleTrips	CC_TTP	0.00	43.00
tblVehicleTrips	CC_TTP	0.00	43.00
tblVehicleTrips	CNW_TTP	0.00	5.00
tblVehicleTrips	CNW_TTP	0.00	5.00
tblVehicleTrips	CW_TTP	0.00	52.00
tblVehicleTrips	CW_TTP	0.00	52.00



tblVehicleTrips	DV_TP	0.00	19.00
tblVehicleTrips	DV_TP	0.00	19.00
tblVehicleTrips	PB_TP	0.00	4.00
tblVehicleTrips	PB_TP	0.00	4.00
tblVehicleTrips	PR_TP	0.00	77.00
tblVehicleTrips	PR_TP	0.00	77.00
tblVehicleTrips	ST_TR	22.75	74.14
tblVehicleTrips	ST_TR	2.46	0.22
tblVehicleTrips	ST_TR	46.55	13.84
tblVehicleTrips	ST_TR	0.00	59.48
tblVehicleTrips	ST_TR	0.00	724.00
tblVehicleTrips	SU_TR	16.74	74.14
tblVehicleTrips	SU_TR	1.05	0.22
tblVehicleTrips	SU_TR	25.49	13.84
tblVehicleTrips	SU_TR	0.00	59.48
tblVehicleTrips	SU_TR	0.00	724.00
tblVehicleTrips	WD_TR	1.89	12.29
tblVehicleTrips	WD_TR	11.03	1.02
tblVehicleTrips	WD_TR	56.24	43.80
tblVehicleTrips	WD_TR	0.00	64.83
tblVehicleTrips	WD_TR	0.00	396.00
tblWater	IndoorWaterUseRate	9,597,622.39	9,500,000.00
tblWater	IndoorWaterUseRate	782,222.71	500,000.00
tblWater	OutdoorWaterUseRate	69,105,918.28	11,516,480.00
tblWater	OutdoorWaterUseRate	0.00	1,084,050.00

## 2.0 Emissions Summary

### 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	0.5765	7.9413	3.9660	0.0141	1.1021	0.2599	1.3620	0.5093	0.2405	0.7498	0.0000	1,329.3951	1,329.3951	0.1978	0.0000	1,334.3390
2020	0.8565	1.9364	1.9667	3.4800e-003	0.0551	0.1054	0.1604	0.0147	0.0980	0.1127	0.0000	307.9407	307.9407	0.0717	0.0000	309.7341
<b>Maximum</b>	<b>0.8565</b>	<b>7.9413</b>	<b>3.9660</b>	<b>0.0141</b>	<b>1.1021</b>	<b>0.2599</b>	<b>1.3620</b>	<b>0.5093</b>	<b>0.2405</b>	<b>0.7498</b>	<b>0.0000</b>	<b>1,329.3951</b>	<b>1,329.3951</b>	<b>0.1978</b>	<b>0.0000</b>	<b>1,334.3390</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	0.1915	3.7147	3.8992	0.0141	0.5751	0.0206	0.5957	0.2382	0.0200	0.2582	0.0000	1,329.3946	1,329.3946	0.1978	0.0000	1,334.3385
2020	0.7052	0.5147	2.0966	3.4800e-003	0.0551	5.0700e-003	0.0601	0.0147	5.0200e-003	0.0197	0.0000	307.9404	307.9404	0.0717	0.0000	309.7338
<b>Maximum</b>	<b>0.7052</b>	<b>3.7147</b>	<b>3.8992</b>	<b>0.0141</b>	<b>0.5751</b>	<b>0.0206</b>	<b>0.5957</b>	<b>0.2382</b>	<b>0.0200</b>	<b>0.2582</b>	<b>0.0000</b>	<b>1,329.3946</b>	<b>1,329.3946</b>	<b>0.1978</b>	<b>0.0000</b>	<b>1,334.3385</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>37.43</b>	<b>57.18</b>	<b>-1.06</b>	<b>0.00</b>	<b>45.54</b>	<b>92.98</b>	<b>56.92</b>	<b>51.74</b>	<b>92.60</b>	<b>67.78</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>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	7-1-2019	9-30-2019	3.3828	1.6801
3	10-1-2019	12-31-2019	4.9947	2.1158
4	1-1-2020	3-31-2020	1.6027	0.4462
5	4-1-2020	6-30-2020	1.1703	0.7636

6	7-1-2020	9-30-2020	0.0108	0.0102
		Highest	4.9947	2.1158

## 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	0.4876	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0338	0.0338	9.0000e-005	0.0000	0.0360
Energy	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003	0.0000	875.6872	875.6872	0.0346	7.9800e-003	878.9276
Mobile	1.5416	8.6127	20.6872	0.0751	6.1088	0.0610	6.1699	1.6370	0.0570	1.6940	0.0000	6,932.6164	6,932.6164	0.3433	0.0000	6,941.1993
Waste						0.0000	0.0000		0.0000	0.0000	15.8800	0.0000	15.8800	0.9385	0.0000	39.3420
Water						0.0000	0.0000		0.0000	0.0000	3.1725	93.1681	96.3406	0.3297	8.4900e-003	107.1107
<b>Total</b>	<b>2.0346</b>	<b>8.6626</b>	<b>20.7464</b>	<b>0.0754</b>	<b>6.1088</b>	<b>0.0649</b>	<b>6.1737</b>	<b>1.6370</b>	<b>0.0608</b>	<b>1.6979</b>	<b>19.0525</b>	<b>7,901.5054</b>	<b>7,920.5579</b>	<b>1.6461</b>	<b>0.0165</b>	<b>7,966.6156</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	tons/yr										MT/yr					
Area	0.4876	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0338	0.0338	9.0000e-005	0.0000	0.0360
Energy	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003	0.0000	875.6872	875.6872	0.0346	7.9800e-003	878.9276
Mobile	1.5416	8.6127	20.6872	0.0751	6.1088	0.0610	6.1699	1.6370	0.0570	1.6940	0.0000	6,932.6164	6,932.6164	0.3433	0.0000	6,941.1993

Waste						0.0000	0.0000		0.0000	0.0000	3.9700	0.0000	3.9700	0.2346	0.0000	9.8355
Water						0.0000	0.0000		0.0000	0.0000	3.1725	65.6880	68.8606	0.3285	8.2500e-003	79.5330
<b>Total</b>	<b>2.0346</b>	<b>8.6626</b>	<b>20.7464</b>	<b>0.0754</b>	<b>6.1088</b>	<b>0.0649</b>	<b>6.1737</b>	<b>1.6370</b>	<b>0.0608</b>	<b>1.6979</b>	<b>7.1425</b>	<b>7,874.0253</b>	<b>7,881.1679</b>	<b>0.9411</b>	<b>0.0162</b>	<b>7,909.5314</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>62.51</b>	<b>0.35</b>	<b>0.50</b>	<b>42.83</b>	<b>1.46</b>	<b>0.72</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo/Site prep/C&G	Site Preparation	8/1/2019	11/1/2019	5	67	
2	Trenching	Trenching	8/1/2019	11/1/2019	5	67	
3	Grading	Grading	9/1/2019	11/29/2019	5	65	
4	Building Construction	Building Construction	10/1/2019	4/1/2020	5	132	
5	Sport Surfaces and Paving	Paving	11/1/2019	6/2/2020	5	153	
6	Pile Driving	Grading	12/1/2019	1/31/2020	5	45	
7	Dynamic Compaction	Grading	12/1/2019	1/31/2020	5	45	
8	Architectural Coating	Architectural Coating	5/1/2020	7/1/2020	5	44	

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

**Acres of Grading (Grading Phase): 130**

**Acres of Paving: 40.74**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 118,500; Non-Residential Outdoor: 39,500; Striped Parking Area:**

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo/Site prep/C&G	Rubber Tired Dozers	2	8.00	247	0.40
Demo/Site prep/C&G	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trenching	Excavators	2	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Cranes	0	0.00	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
Sport Surfaces and Paving	Pavers	2	8.00	130	0.42
Sport Surfaces and Paving	Paving Equipment	2	8.00	132	0.36
Sport Surfaces and Paving	Rollers	2	8.00	80	0.38
Sport Surfaces and Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Pile Driving	Cranes	1	8.00	429	0.29
Pile Driving	Excavators	0	0.00	158	0.38
Pile Driving	Graders	0	0.00	187	0.41
Pile Driving	Rubber Tired Dozers	0	0.00	247	0.40
Pile Driving	Scrapers	0	0.00	367	0.48
Pile Driving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Pile Driving	Welders	1	8.00	46	0.45
Dynamic Compaction	Cranes	1	8.00	430	0.29
Dynamic Compaction	Excavators	0	0.00	158	0.38
Dynamic Compaction	Graders	0	0.00	187	0.41
Dynamic Compaction	Rubber Tired Dozers	0	0.00	247	0.40
Dynamic Compaction	Scrapers	0	0.00	367	0.48

Dynamic Compaction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
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
Demo/Site prep/C&G	5	20.00	0.00	10,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	20.00	4.00	132.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	10,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	50.00	6.00	621.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sport Surfaces and Paving	8	30.00	0.00	460.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pile Driving	2	6.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Dynamic Compaction	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	2.00	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demo/Site prep/C&G - 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					0.4035	0.0000	0.4035	0.2218	0.0000	0.2218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0994	1.0439	0.5185	8.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	79.4255	79.4255	0.0251	0.0000	80.0538

<b>Total</b>	<b>0.0994</b>	<b>1.0439</b>	<b>0.5185</b>	<b>8.8000e-004</b>	<b>0.4035</b>	<b>0.0551</b>	<b>0.4586</b>	<b>0.2218</b>	<b>0.0507</b>	<b>0.2725</b>	<b>0.0000</b>	<b>79.4255</b>	<b>79.4255</b>	<b>0.0251</b>	<b>0.0000</b>	<b>80.0538</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
Category	tons/yr										MT/yr					
Hauling	0.0437	1.5770	0.3030	4.0900e-003	0.0903	5.7200e-003	0.0960	0.0248	5.4700e-003	0.0303	0.0000	400.2413	400.2413	0.0281	0.0000	400.9428
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2400e-003	2.5700e-003	0.0279	8.0000e-005	7.3500e-003	6.0000e-005	7.4100e-003	1.9500e-003	5.0000e-005	2.0100e-003	0.0000	6.8293	6.8293	2.1000e-004	0.0000	6.8346
<b>Total</b>	<b>0.0469</b>	<b>1.5796</b>	<b>0.3309</b>	<b>4.1700e-003</b>	<b>0.0976</b>	<b>5.7800e-003</b>	<b>0.1034</b>	<b>0.0267</b>	<b>5.5200e-003</b>	<b>0.0323</b>	<b>0.0000</b>	<b>407.0706</b>	<b>407.0706</b>	<b>0.0283</b>	<b>0.0000</b>	<b>407.7774</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					0.1574	0.0000	0.1574	0.0865	0.0000	0.0865	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0469	0.4922	8.8000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	79.4254	79.4254	0.0251	0.0000	80.0537
<b>Total</b>	<b>0.0108</b>	<b>0.0469</b>	<b>0.4922</b>	<b>8.8000e-004</b>	<b>0.1574</b>	<b>1.4400e-003</b>	<b>0.1588</b>	<b>0.0865</b>	<b>1.4400e-003</b>	<b>0.0879</b>	<b>0.0000</b>	<b>79.4254</b>	<b>79.4254</b>	<b>0.0251</b>	<b>0.0000</b>	<b>80.0537</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0437	1.5770	0.3030	4.0900e-003	0.0903	5.7200e-003	0.0960	0.0248	5.4700e-003	0.0303	0.0000	400.2413	400.2413	0.0281	0.0000	400.9428
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2400e-003	2.5700e-003	0.0279	8.0000e-005	7.3500e-003	6.0000e-005	7.4100e-003	1.9500e-003	5.0000e-005	2.0100e-003	0.0000	6.8293	6.8293	2.1000e-004	0.0000	6.8346
<b>Total</b>	<b>0.0469</b>	<b>1.5796</b>	<b>0.3309</b>	<b>4.1700e-003</b>	<b>0.0976</b>	<b>5.7800e-003</b>	<b>0.1034</b>	<b>0.0267</b>	<b>5.5200e-003</b>	<b>0.0323</b>	<b>0.0000</b>	<b>407.0706</b>	<b>407.0706</b>	<b>0.0283</b>	<b>0.0000</b>	<b>407.7774</b>

### 3.3 Trenching - 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	0.0622	0.5988	0.5497	7.8000e-004		0.0390	0.0390		0.0359	0.0359	0.0000	70.0518	70.0518	0.0222	0.0000	70.6059
<b>Total</b>	<b>0.0622</b>	<b>0.5988</b>	<b>0.5497</b>	<b>7.8000e-004</b>		<b>0.0390</b>	<b>0.0390</b>		<b>0.0359</b>	<b>0.0359</b>	<b>0.0000</b>	<b>70.0518</b>	<b>70.0518</b>	<b>0.0222</b>	<b>0.0000</b>	<b>70.6059</b>

#### Unmitigated Construction Off-Site

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



Hauling	5.5000e-004	0.0198	3.8100e-003	5.0000e-005	1.1300e-003	7.0000e-005	1.2100e-003	3.1000e-004	7.0000e-005	3.8000e-004	0.0000	5.0316	5.0316	3.5000e-004	0.0000	5.0404
Vendor	5.3000e-004	0.0156	3.9200e-003	3.0000e-005	8.4000e-004	1.0000e-004	9.5000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.3175	3.3175	2.3000e-004	0.0000	3.3232
Worker	3.2400e-003	2.5700e-003	0.0279	8.0000e-005	7.3500e-003	6.0000e-005	7.4100e-003	1.9500e-003	5.0000e-005	2.0100e-003	0.0000	6.8293	6.8293	2.1000e-004	0.0000	6.8346
<b>Total</b>	<b>4.3200e-003</b>	<b>0.0380</b>	<b>0.0357</b>	<b>1.6000e-004</b>	<b>9.3200e-003</b>	<b>2.3000e-004</b>	<b>9.5700e-003</b>	<b>2.5000e-003</b>	<b>2.2000e-004</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>15.1783</b>	<b>15.1783</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.1982</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	9.5700e-003	0.0415	0.5899	7.8000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	70.0517	70.0517	0.0222	0.0000	70.6058
<b>Total</b>	<b>9.5700e-003</b>	<b>0.0415</b>	<b>0.5899</b>	<b>7.8000e-004</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>	<b>0.0000</b>	<b>70.0517</b>	<b>70.0517</b>	<b>0.0222</b>	<b>0.0000</b>	<b>70.6058</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.5000e-004	0.0198	3.8100e-003	5.0000e-005	1.1300e-003	7.0000e-005	1.2100e-003	3.1000e-004	7.0000e-005	3.8000e-004	0.0000	5.0316	5.0316	3.5000e-004	0.0000	5.0404
Vendor	5.3000e-004	0.0156	3.9200e-003	3.0000e-005	8.4000e-004	1.0000e-004	9.5000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.3175	3.3175	2.3000e-004	0.0000	3.3232
Worker	3.2400e-003	2.5700e-003	0.0279	8.0000e-005	7.3500e-003	6.0000e-005	7.4100e-003	1.9500e-003	5.0000e-005	2.0100e-003	0.0000	6.8293	6.8293	2.1000e-004	0.0000	6.8346
<b>Total</b>	<b>4.3200e-003</b>	<b>0.0380</b>	<b>0.0357</b>	<b>1.6000e-004</b>	<b>9.3200e-003</b>	<b>2.3000e-004</b>	<b>9.5700e-003</b>	<b>2.5000e-003</b>	<b>2.2000e-004</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>15.1783</b>	<b>15.1783</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.1982</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					0.4604	0.0000	0.4604	0.2226	0.0000	0.2226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1581	1.7762	0.9521	1.7400e-003		0.0813	0.0813		0.0748	0.0748	0.0000	156.4268	156.4268	0.0495	0.0000	157.6641
<b>Total</b>	<b>0.1581</b>	<b>1.7762</b>	<b>0.9521</b>	<b>1.7400e-003</b>	<b>0.4604</b>	<b>0.0813</b>	<b>0.5417</b>	<b>0.2226</b>	<b>0.0748</b>	<b>0.2974</b>	<b>0.0000</b>	<b>156.4268</b>	<b>156.4268</b>	<b>0.0495</b>	<b>0.0000</b>	<b>157.6641</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0437	1.5770	0.3030	4.0900e-003	0.0903	5.7200e-003	0.0960	0.0248	5.4700e-003	0.0303	0.0000	400.2413	400.2413	0.0281	0.0000	400.9428
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	2.3500e-003	1.8700e-003	0.0203	6.0000e-005	5.3500e-003	4.0000e-005	5.3900e-003	1.4200e-003	4.0000e-005	1.4600e-003	0.0000	4.9691	4.9691	1.6000e-004	0.0000	4.9729
<b>Total</b>	<b>0.0460</b>	<b>1.5789</b>	<b>0.3233</b>	<b>4.1500e-003</b>	<b>0.0956</b>	<b>5.7600e-003</b>	<b>0.1014</b>	<b>0.0262</b>	<b>5.5100e-003</b>	<b>0.0317</b>	<b>0.0000</b>	<b>405.2104</b>	<b>405.2104</b>	<b>0.0282</b>	<b>0.0000</b>	<b>405.9157</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					0.1795	0.0000	0.1795	0.0868	0.0000	0.0868	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0214	0.0927	0.8457	1.7400e-003		2.8500e-003	2.8500e-003		2.8500e-003	2.8500e-003	0.0000	156.4266	156.4266	0.0495	0.0000	157.6639
<b>Total</b>	<b>0.0214</b>	<b>0.0927</b>	<b>0.8457</b>	<b>1.7400e-003</b>	<b>0.1795</b>	<b>2.8500e-003</b>	<b>0.1824</b>	<b>0.0868</b>	<b>2.8500e-003</b>	<b>0.0897</b>	<b>0.0000</b>	<b>156.4266</b>	<b>156.4266</b>	<b>0.0495</b>	<b>0.0000</b>	<b>157.6639</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0437	1.5770	0.3030	4.0900e-003	0.0903	5.7200e-003	0.0960	0.0248	5.4700e-003	0.0303	0.0000	400.2413	400.2413	0.0281	0.0000	400.9428
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	2.3500e-003	1.8700e-003	0.0203	6.0000e-005	5.3500e-003	4.0000e-005	5.3900e-003	1.4200e-003	4.0000e-005	1.4600e-003	0.0000	4.9691	4.9691	1.6000e-004	0.0000	4.9729
<b>Total</b>	<b>0.0460</b>	<b>1.5789</b>	<b>0.3233</b>	<b>4.1500e-003</b>	<b>0.0956</b>	<b>5.7600e-003</b>	<b>0.1014</b>	<b>0.0262</b>	<b>5.5100e-003</b>	<b>0.0317</b>	<b>0.0000</b>	<b>405.2104</b>	<b>405.2104</b>	<b>0.0282</b>	<b>0.0000</b>	<b>405.9157</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	0.0661	0.5671	0.5723	8.3000e-004		0.0363	0.0363		0.0343	0.0343	0.0000	72.5747	72.5747	0.0173	0.0000	73.0075

<b>Total</b>	<b>0.0661</b>	<b>0.5671</b>	<b>0.5723</b>	<b>8.3000e-004</b>		<b>0.0363</b>	<b>0.0363</b>		<b>0.0343</b>	<b>0.0343</b>	<b>0.0000</b>	<b>72.5747</b>	<b>72.5747</b>	<b>0.0173</b>	<b>0.0000</b>	<b>73.0075</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
Category	tons/yr										MT/yr					
Hauling	1.2900e-003	0.0466	8.9600e-003	1.2000e-004	4.6800e-003	1.7000e-004	4.8500e-003	1.2300e-003	1.6000e-004	1.3900e-003	0.0000	11.8357	11.8357	8.3000e-004	0.0000	11.8565
Vendor	7.8000e-004	0.0231	5.7900e-003	5.0000e-005	1.2500e-003	1.5000e-004	1.4000e-003	3.6000e-004	1.4000e-004	5.0000e-004	0.0000	4.9019	4.9019	3.4000e-004	0.0000	4.9104
Worker	7.9700e-003	6.3300e-003	0.0688	1.9000e-004	0.0181	1.4000e-004	0.0183	4.8100e-003	1.3000e-004	4.9400e-003	0.0000	16.8183	16.8183	5.3000e-004	0.0000	16.8315
<b>Total</b>	<b>0.0100</b>	<b>0.0761</b>	<b>0.0835</b>	<b>3.6000e-004</b>	<b>0.0240</b>	<b>4.6000e-004</b>	<b>0.0245</b>	<b>6.4000e-003</b>	<b>4.3000e-004</b>	<b>6.8300e-003</b>	<b>0.0000</b>	<b>33.5559</b>	<b>33.5559</b>	<b>1.7000e-003</b>	<b>0.0000</b>	<b>33.5983</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	0.0115	0.1272	0.5853	8.3000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	72.5746	72.5746	0.0173	0.0000	73.0075
<b>Total</b>	<b>0.0115</b>	<b>0.1272</b>	<b>0.5853</b>	<b>8.3000e-004</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>72.5746</b>	<b>72.5746</b>	<b>0.0173</b>	<b>0.0000</b>	<b>73.0075</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2900e-003	0.0466	8.9600e-003	1.2000e-004	4.6800e-003	1.7000e-004	4.8500e-003	1.2300e-003	1.6000e-004	1.3900e-003	0.0000	11.8357	11.8357	8.3000e-004	0.0000	11.8565
Vendor	7.8000e-004	0.0231	5.7900e-003	5.0000e-005	1.2500e-003	1.5000e-004	1.4000e-003	3.6000e-004	1.4000e-004	5.0000e-004	0.0000	4.9019	4.9019	3.4000e-004	0.0000	4.9104
Worker	7.9700e-003	6.3300e-003	0.0688	1.9000e-004	0.0181	1.4000e-004	0.0183	4.8100e-003	1.3000e-004	4.9400e-003	0.0000	16.8183	16.8183	5.3000e-004	0.0000	16.8315
<b>Total</b>	<b>0.0100</b>	<b>0.0761</b>	<b>0.0835</b>	<b>3.6000e-004</b>	<b>0.0240</b>	<b>4.6000e-004</b>	<b>0.0245</b>	<b>6.4000e-003</b>	<b>4.3000e-004</b>	<b>6.8300e-003</b>	<b>0.0000</b>	<b>33.5559</b>	<b>33.5559</b>	<b>1.7000e-003</b>	<b>0.0000</b>	<b>33.5983</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	0.0595	0.5199	0.5671	8.3000e-004		0.0314	0.0314		0.0296	0.0296	0.0000	71.5306	71.5306	0.0171	0.0000	71.9571
<b>Total</b>	<b>0.0595</b>	<b>0.5199</b>	<b>0.5671</b>	<b>8.3000e-004</b>		<b>0.0314</b>	<b>0.0314</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>71.5306</b>	<b>71.5306</b>	<b>0.0171</b>	<b>0.0000</b>	<b>71.9571</b>

#### Unmitigated Construction Off-Site

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

Hauling	1.1900e-003	0.0436	8.6900e-003	1.2000e-004	4.6800e-003	1.4000e-004	4.8200e-003	1.2300e-003	1.3000e-004	1.3600e-003	0.0000	11.7158	11.7158	8.1000e-004	0.0000	11.7360
Vendor	6.6000e-004	0.0211	5.2300e-003	5.0000e-005	1.2500e-003	1.0000e-004	1.3500e-003	3.6000e-004	1.0000e-004	4.6000e-004	0.0000	4.8699	4.8699	3.2000e-004	0.0000	4.8778
Worker	7.3700e-003	5.6500e-003	0.0625	1.8000e-004	0.0181	1.4000e-004	0.0182	4.8100e-003	1.3000e-004	4.9400e-003	0.0000	16.2965	16.2965	4.7000e-004	0.0000	16.3082
<b>Total</b>	<b>9.2200e-003</b>	<b>0.0703</b>	<b>0.0764</b>	<b>3.5000e-004</b>	<b>0.0240</b>	<b>3.8000e-004</b>	<b>0.0244</b>	<b>6.4000e-003</b>	<b>3.6000e-004</b>	<b>6.7600e-003</b>	<b>0.0000</b>	<b>32.8821</b>	<b>32.8821</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>32.9220</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	0.0115	0.1272	0.5853	8.3000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	71.5305	71.5305	0.0171	0.0000	71.9570
<b>Total</b>	<b>0.0115</b>	<b>0.1272</b>	<b>0.5853</b>	<b>8.3000e-004</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>71.5305</b>	<b>71.5305</b>	<b>0.0171</b>	<b>0.0000</b>	<b>71.9570</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1900e-003	0.0436	8.6900e-003	1.2000e-004	4.6800e-003	1.4000e-004	4.8200e-003	1.2300e-003	1.3000e-004	1.3600e-003	0.0000	11.7158	11.7158	8.1000e-004	0.0000	11.7360
Vendor	6.6000e-004	0.0211	5.2300e-003	5.0000e-005	1.2500e-003	1.0000e-004	1.3500e-003	3.6000e-004	1.0000e-004	4.6000e-004	0.0000	4.8699	4.8699	3.2000e-004	0.0000	4.8778
Worker	7.3700e-003	5.6500e-003	0.0625	1.8000e-004	0.0181	1.4000e-004	0.0182	4.8100e-003	1.3000e-004	4.9400e-003	0.0000	16.2965	16.2965	4.7000e-004	0.0000	16.3082
<b>Total</b>	<b>9.2200e-003</b>	<b>0.0703</b>	<b>0.0764</b>	<b>3.5000e-004</b>	<b>0.0240</b>	<b>3.8000e-004</b>	<b>0.0244</b>	<b>6.4000e-003</b>	<b>3.6000e-004</b>	<b>6.7600e-003</b>	<b>0.0000</b>	<b>32.8821</b>	<b>32.8821</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>32.9220</b>

### 3.6 Sport Surfaces and Paving - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0435	0.4343	0.4012	6.0000e-004		0.0264	0.0264		0.0243	0.0243	0.0000	53.8381	53.8381	0.0170	0.0000	54.2640
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0582</b>	<b>0.4343</b>	<b>0.4012</b>	<b>6.0000e-004</b>		<b>0.0264</b>	<b>0.0264</b>		<b>0.0243</b>	<b>0.0243</b>	<b>0.0000</b>	<b>53.8381</b>	<b>53.8381</b>	<b>0.0170</b>	<b>0.0000</b>	<b>54.2640</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.4000e-004	0.0194	3.7300e-003	5.0000e-005	3.2500e-003	7.0000e-005	3.3200e-003	8.3000e-004	7.0000e-005	9.0000e-004	0.0000	4.9280	4.9280	3.5000e-004	0.0000	4.9366
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1200e-003	2.4700e-003	0.0269	7.0000e-005	7.0800e-003	6.0000e-005	7.1300e-003	1.8800e-003	5.0000e-005	1.9300e-003	0.0000	6.5744	6.5744	2.1000e-004	0.0000	6.5796
<b>Total</b>	<b>3.6600e-003</b>	<b>0.0219</b>	<b>0.0306</b>	<b>1.2000e-004</b>	<b>0.0103</b>	<b>1.3000e-004</b>	<b>0.0105</b>	<b>2.7100e-003</b>	<b>1.2000e-004</b>	<b>2.8300e-003</b>	<b>0.0000</b>	<b>11.5024</b>	<b>11.5024</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>11.5162</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	8.7100e-003	0.0873	0.4545	6.0000e-004		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	53.8381	53.8381	0.0170	0.0000	54.2639
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0233</b>	<b>0.0873</b>	<b>0.4545</b>	<b>6.0000e-004</b>		<b>9.8000e-004</b>	<b>9.8000e-004</b>		<b>9.8000e-004</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>53.8381</b>	<b>53.8381</b>	<b>0.0170</b>	<b>0.0000</b>	<b>54.2639</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.4000e-004	0.0194	3.7300e-003	5.0000e-005	3.2500e-003	7.0000e-005	3.3200e-003	8.3000e-004	7.0000e-005	9.0000e-004	0.0000	4.9280	4.9280	3.5000e-004	0.0000	4.9366
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1200e-003	2.4700e-003	0.0269	7.0000e-005	7.0800e-003	6.0000e-005	7.1300e-003	1.8800e-003	5.0000e-005	1.9300e-003	0.0000	6.5744	6.5744	2.1000e-004	0.0000	6.5796
<b>Total</b>	<b>3.6600e-003</b>	<b>0.0219</b>	<b>0.0306</b>	<b>1.2000e-004</b>	<b>0.0103</b>	<b>1.3000e-004</b>	<b>0.0105</b>	<b>2.7100e-003</b>	<b>1.2000e-004</b>	<b>2.8300e-003</b>	<b>0.0000</b>	<b>11.5024</b>	<b>11.5024</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>11.5162</b>

### **3.6 Sport Surfaces and 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	0.1043	1.0296	1.0245	1.5300e-003		0.0620	0.0620		0.0570	0.0570	0.0000	134.7212	134.7212	0.0436	0.0000	135.8105



Paving	0.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1417</b>	<b>1.0296</b>	<b>1.0245</b>	<b>1.5300e-003</b>		<b>0.0620</b>	<b>0.0620</b>		<b>0.0570</b>	<b>0.0570</b>	<b>0.0000</b>	<b>134.7212</b>	<b>134.7212</b>	<b>0.0436</b>	<b>0.0000</b>	<b>135.8105</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2700e-003	0.0464	9.2500e-003	1.3000e-004	3.6800e-003	1.5000e-004	3.8300e-003	9.9000e-004	1.4000e-004	1.1300e-003	0.0000	12.4787	12.4787	8.6000e-004	0.0000	12.5002
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	7.3700e-003	5.6500e-003	0.0625	1.8000e-004	0.0181	1.4000e-004	0.0182	4.8100e-003	1.3000e-004	4.9400e-003	0.0000	16.2965	16.2965	4.7000e-004	0.0000	16.3082
<b>Total</b>	<b>8.6400e-003</b>	<b>0.0521</b>	<b>0.0717</b>	<b>3.1000e-004</b>	<b>0.0218</b>	<b>2.9000e-004</b>	<b>0.0221</b>	<b>5.8000e-003</b>	<b>2.7000e-004</b>	<b>6.0700e-003</b>	<b>0.0000</b>	<b>28.7752</b>	<b>28.7752</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>28.8084</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	0.0223	0.2233	1.1626	1.5300e-003		2.5100e-003	2.5100e-003		2.5100e-003	2.5100e-003	0.0000	134.7211	134.7211	0.0436	0.0000	135.8104
Paving	0.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0597</b>	<b>0.2233</b>	<b>1.1626</b>	<b>1.5300e-003</b>		<b>2.5100e-003</b>	<b>2.5100e-003</b>		<b>2.5100e-003</b>	<b>2.5100e-003</b>	<b>0.0000</b>	<b>134.7211</b>	<b>134.7211</b>	<b>0.0436</b>	<b>0.0000</b>	<b>135.8104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2700e-003	0.0464	9.2500e-003	1.3000e-004	3.6800e-003	1.5000e-004	3.8300e-003	9.9000e-004	1.4000e-004	1.1300e-003	0.0000	12.4787	12.4787	8.6000e-004	0.0000	12.5002
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	7.3700e-003	5.6500e-003	0.0625	1.8000e-004	0.0181	1.4000e-004	0.0182	4.8100e-003	1.3000e-004	4.9400e-003	0.0000	16.2965	16.2965	4.7000e-004	0.0000	16.3082
<b>Total</b>	<b>8.6400e-003</b>	<b>0.0521</b>	<b>0.0717</b>	<b>3.1000e-004</b>	<b>0.0218</b>	<b>2.9000e-004</b>	<b>0.0221</b>	<b>5.8000e-003</b>	<b>2.7000e-004</b>	<b>6.0700e-003</b>	<b>0.0000</b>	<b>28.7752</b>	<b>28.7752</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>28.8084</b>

### 3.7 Pile Driving - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1216	0.0915	1.5000e-004		5.2700e-003	5.2700e-003		4.9400e-003	4.9400e-003	0.0000	12.6494	12.6494	3.6900e-003	0.0000	12.7417
<b>Total</b>	<b>0.0127</b>	<b>0.1216</b>	<b>0.0915</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>5.2700e-003</b>	<b>5.2700e-003</b>	<b>0.0000</b>	<b>4.9400e-003</b>	<b>4.9400e-003</b>	<b>0.0000</b>	<b>12.6494</b>	<b>12.6494</b>	<b>3.6900e-003</b>	<b>0.0000</b>	<b>12.7417</b>

#### Unmitigated Construction Off-Site

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

Hauling	2.0000e-005	7.3000e-004	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1864	0.1864	1.0000e-005	0.0000	0.1867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.7500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6727	0.6727	2.0000e-005	0.0000	0.6733
<b>Total</b>	<b>3.4000e-004</b>	<b>9.8000e-004</b>	<b>2.8900e-003</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>1.0000e-005</b>	<b>8.1000e-004</b>	<b>2.1000e-004</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.8591</b>	<b>0.8591</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8599</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9300e-003	0.0173	0.0696	1.5000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	12.6494	12.6494	3.6900e-003	0.0000	12.7417
<b>Total</b>	<b>1.9300e-003</b>	<b>0.0173</b>	<b>0.0696</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>12.6494</b>	<b>12.6494</b>	<b>3.6900e-003</b>	<b>0.0000</b>	<b>12.7417</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.3000e-004	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1864	0.1864	1.0000e-005	0.0000	0.1867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.7500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6727	0.6727	2.0000e-005	0.0000	0.6733
<b>Total</b>	<b>3.4000e-004</b>	<b>9.8000e-004</b>	<b>2.8900e-003</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>1.0000e-005</b>	<b>8.1000e-004</b>	<b>2.1000e-004</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.8591</b>	<b>0.8591</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8599</b>

### 3.7 Pile Driving - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1155	0.0875	1.5000e-004		4.9100e-003	4.9100e-003		4.5900e-003	4.5900e-003	0.0000	12.9821	12.9821	3.8200e-003	0.0000	13.0775
<b>Total</b>	<b>0.0120</b>	<b>0.1155</b>	<b>0.0875</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>4.9100e-003</b>	<b>4.9100e-003</b>	<b>0.0000</b>	<b>4.5900e-003</b>	<b>4.5900e-003</b>	<b>0.0000</b>	<b>12.9821</b>	<b>12.9821</b>	<b>3.8200e-003</b>	<b>0.0000</b>	<b>13.0775</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.2000e-004	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1929	0.1929	1.0000e-005	0.0000	0.1932
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	2.6100e-003	1.0000e-005	7.6000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6815	0.6815	2.0000e-005	0.0000	0.6820
<b>Total</b>	<b>3.3000e-004</b>	<b>9.6000e-004</b>	<b>2.7500e-003</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.8743</b>	<b>0.8743</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8752</b>

#### Mitigated Construction On-Site



Off-Road	8.4500e-003	0.1039	0.0718	1.2000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	10.6036	10.6036	3.3500e-003	0.0000	10.6875
<b>Total</b>	<b>8.4500e-003</b>	<b>0.1039</b>	<b>0.0718</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.1900e-003</b>	<b>4.1900e-003</b>	<b>0.0000</b>	<b>3.8500e-003</b>	<b>3.8500e-003</b>	<b>0.0000</b>	<b>10.6036</b>	<b>10.6036</b>	<b>3.3500e-003</b>	<b>0.0000</b>	<b>10.6875</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.7000e-004	1.8300e-003	0.0000	4.8000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4485	0.4485	1.0000e-005	0.0000	0.4488
<b>Total</b>	<b>2.1000e-004</b>	<b>1.7000e-004</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>4.9000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4485</b>	<b>0.4485</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4488</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	6.2900e-003	0.0532	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.6036	10.6036	3.3500e-003	0.0000	10.6875
<b>Total</b>	<b>1.4500e-003</b>	<b>6.2900e-003</b>	<b>0.0532</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>10.6036</b>	<b>10.6036</b>	<b>3.3500e-003</b>	<b>0.0000</b>	<b>10.6875</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.7000e-004	1.8300e-003	0.0000	4.8000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4485	0.4485	1.0000e-005	0.0000	0.4488
<b>Total</b>	<b>2.1000e-004</b>	<b>1.7000e-004</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>4.9000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4485</b>	<b>0.4485</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4488</b>

### 3.8 Dynamic Compaction - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1100e-003	0.0977	0.0673	1.2000e-004		3.9200e-003	3.9200e-003		3.6000e-003	3.6000e-003	0.0000	10.8428	10.8428	3.5100e-003	0.0000	10.9304
<b>Total</b>	<b>8.1100e-003</b>	<b>0.0977</b>	<b>0.0673</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.9200e-003</b>	<b>3.9200e-003</b>	<b>0.0000</b>	<b>3.6000e-003</b>	<b>3.6000e-003</b>	<b>0.0000</b>	<b>10.8428</b>	<b>10.8428</b>	<b>3.5100e-003</b>	<b>0.0000</b>	<b>10.9304</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.7400e-003	1.0000e-005	5.0000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4543	0.4543	1.0000e-005	0.0000	0.4547
<b>Total</b>	<b>2.1000e-004</b>	<b>1.6000e-004</b>	<b>1.7400e-003</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4543</b>	<b>0.4543</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4547</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5200e-003	6.5800e-003	0.0556	1.2000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	10.8427	10.8427	3.5100e-003	0.0000	10.9304
<b>Total</b>	<b>1.5200e-003</b>	<b>6.5800e-003</b>	<b>0.0556</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>10.8427</b>	<b>10.8427</b>	<b>3.5100e-003</b>	<b>0.0000</b>	<b>10.9304</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.7400e-003	1.0000e-005	5.0000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4543	0.4543	1.0000e-005	0.0000	0.4547
<b>Total</b>	<b>2.1000e-004</b>	<b>1.6000e-004</b>	<b>1.7400e-003</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4543</b>	<b>0.4543</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4547</b>



### 3.9 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	0.6082					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3300e-003	0.0370	0.0403	7.0000e-005		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	5.6172	5.6172	4.3000e-004	0.0000	5.6280
<b>Total</b>	<b>0.6135</b>	<b>0.0370</b>	<b>0.0403</b>	<b>7.0000e-005</b>		<b>2.4400e-003</b>	<b>2.4400e-003</b>		<b>2.4400e-003</b>	<b>2.4400e-003</b>	<b>0.0000</b>	<b>5.6172</b>	<b>5.6172</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>5.6280</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	6.1700e-003	1.2300e-003	2.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.6602	1.6602	1.1000e-004	0.0000	1.6631
Vendor	1.5000e-004	4.7000e-003	1.1600e-003	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0822	1.0822	7.0000e-005	0.0000	1.0840
Worker	2.9500e-003	2.2600e-003	0.0250	7.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5186	6.5186	1.9000e-004	0.0000	6.5233
<b>Total</b>	<b>3.2700e-003</b>	<b>0.0131</b>	<b>0.0274</b>	<b>1.0000e-004</b>	<b>7.9000e-003</b>	<b>1.0000e-004</b>	<b>8.0000e-003</b>	<b>2.1000e-003</b>	<b>9.0000e-005</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>9.2610</b>	<b>9.2610</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>9.2703</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	0.6082					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	2.8300e-003	0.0403	7.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.6172	5.6172	4.3000e-004	0.0000	5.6280
<b>Total</b>	<b>0.6088</b>	<b>2.8300e-003</b>	<b>0.0403</b>	<b>7.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>5.6172</b>	<b>5.6172</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>5.6280</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	6.1700e-003	1.2300e-003	2.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.6602	1.6602	1.1000e-004	0.0000	1.6631
Vendor	1.5000e-004	4.7000e-003	1.1600e-003	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0822	1.0822	7.0000e-005	0.0000	1.0840
Worker	2.9500e-003	2.2600e-003	0.0250	7.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5186	6.5186	1.9000e-004	0.0000	6.5233
<b>Total</b>	<b>3.2700e-003</b>	<b>0.0131</b>	<b>0.0274</b>	<b>1.0000e-004</b>	<b>7.9000e-003</b>	<b>1.0000e-004</b>	<b>8.0000e-003</b>	<b>2.1000e-003</b>	<b>9.0000e-005</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>9.2610</b>	<b>9.2610</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>9.2703</b>

## 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
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Category	tons/yr										MT/yr					
Mitigated	1.5416	8.6127	20.6872	0.0751	6.1088	0.0610	6.1699	1.6370	0.0570	1.6940	0.0000	6,932.6164	6,932.6164	0.3433	0.0000	6,941.1993
Unmitigated	1.5416	8.6127	20.6872	0.0751	6.1088	0.0610	6.1699	1.6370	0.0570	1.6940	0.0000	6,932.6164	6,932.6164	0.3433	0.0000	6,941.1993

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	712.82	4,300.12	4300.12	5,000,482	5,000,482
General Office Building	23.46	5.06	5.06	58,640	58,640
General Office Building	10.20	2.20	2.20	25,496	25,496
General Office Building	3.06	0.66	0.66	7,649	7,649
General Office Building	13.26	2.86	2.86	33,144	33,144
General Office Building	5.10	1.10	1.10	12,748	12,748
Library	1,095.00	346.00	346.00	2,224,248	2,224,248
Other Asphalt Surfaces	1,880.07	1,724.92	1,724.92	6,879,560	6,879,560
Other Non-Asphalt Surfaces	396.00	724.00	724.00	1,835,236	1,835,236
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>4,138.97</b>	<b>7,106.92</b>	<b>7,106.92</b>	<b>16,077,202</b>	<b>16,077,202</b>

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	16.60	8.40	6.90	52.00	43.00	5.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	52.00	43.00	5.00	77	19	4
Parking Lot	16.60	8.40	6.90	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
City Park	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
General Office Building	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Library	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Non-Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Parking Lot	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	821.5421	821.5421	0.0335	6.9800e-003	824.4608
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	821.5421	821.5421	0.0335	6.9800e-003	824.4608
NaturalGas Mitigated	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003	0.0000	54.1451	54.1451	1.0400e-003	9.9000e-004	54.4668
NaturalGas Unmitigated	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003	0.0000	54.1451	54.1451	1.0400e-003	9.9000e-004	54.4668

## 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
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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	0.0000
General Office Building	104100	5.6000e-004	5.1000e-003	4.2900e-003	3.0000e-005	3.9000e-004	3.9000e-004	3.9000e-004	3.9000e-004	3.9000e-004	0.0000	5.5552	5.5552	1.1000e-004	1.0000e-004	5.5882
General Office Building	135330	7.3000e-004	6.6300e-003	5.5700e-003	4.0000e-005	5.0000e-004	5.0000e-004	5.0000e-004	5.0000e-004	5.0000e-004	0.0000	7.2217	7.2217	1.4000e-004	1.3000e-004	7.2646
General Office Building	239430	1.2900e-003	0.0117	9.8600e-003	7.0000e-005	8.9000e-004	8.9000e-004	8.9000e-004	8.9000e-004	8.9000e-004	0.0000	12.7769	12.7769	2.4000e-004	2.3000e-004	12.8528
General Office Building	31230	1.7000e-004	1.5300e-003	1.2900e-003	1.0000e-005	1.2000e-004	1.2000e-004	1.2000e-004	1.2000e-004	1.2000e-004	0.0000	1.6666	1.6666	3.0000e-005	3.0000e-005	1.6765
General Office Building	52050	2.8000e-004	2.5500e-003	2.1400e-003	2.0000e-005	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	0.0000	2.7776	2.7776	5.0000e-005	5.0000e-005	2.7941
Library	452500	2.4400e-003	0.0222	0.0186	1.3000e-004	1.6900e-003	1.6900e-003	1.6900e-003	1.6900e-003	1.6900e-003	0.0000	24.1471	24.1471	4.6000e-004	4.4000e-004	24.2906
Other Asphalt Surfaces	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	0.0000
Other Non-Asphalt Surfaces	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	0.0000
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	0.0000
<b>Total</b>		<b>5.4700e-003</b>	<b>0.0497</b>	<b>0.0418</b>	<b>3.0000e-004</b>	<b>3.7800e-003</b>	<b>3.7800e-003</b>	<b>3.7800e-003</b>	<b>3.7800e-003</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>54.1451</b>	<b>54.1451</b>	<b>1.0300e-003</b>	<b>9.8000e-004</b>	<b>54.4668</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	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	0.0000	0.0000
General Office Building	104100	5.6000e-004	5.1000e-003	4.2900e-003	3.0000e-005	3.9000e-004	3.9000e-004	3.9000e-004	3.9000e-004	3.9000e-004	3.9000e-004	0.0000	5.5552	5.5552	1.1000e-004	1.0000e-004	5.5882
General Office Building	135330	7.3000e-004	6.6300e-003	5.5700e-003	4.0000e-005	5.0000e-004	5.0000e-004	5.0000e-004	5.0000e-004	5.0000e-004	5.0000e-004	0.0000	7.2217	7.2217	1.4000e-004	1.3000e-004	7.2646
General Office Building	239430	1.2900e-003	0.0117	9.8600e-003	7.0000e-005	8.9000e-004	8.9000e-004	8.9000e-004	8.9000e-004	8.9000e-004	8.9000e-004	0.0000	12.7769	12.7769	2.4000e-004	2.3000e-004	12.8528
General Office Building	31230	1.7000e-004	1.5300e-003	1.2900e-003	1.0000e-005	1.2000e-004	1.2000e-004	1.2000e-004	1.2000e-004	1.2000e-004	1.2000e-004	0.0000	1.6666	1.6666	3.0000e-005	3.0000e-005	1.6765

General Office Building	52050	2.8000e-004	2.5500e-003	2.1400e-003	2.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.7776	2.7776	5.0000e-005	5.0000e-005	2.7941
Library	452500	2.4400e-003	0.0222	0.0186	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003	0.0000	24.1471	24.1471	4.6000e-004	4.4000e-004	24.2906
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
<b>Total</b>		<b>5.4700e-003</b>	<b>0.0497</b>	<b>0.0418</b>	<b>3.0000e-004</b>		<b>3.7800e-003</b>	<b>3.7800e-003</b>		<b>3.7800e-003</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>54.1451</b>	<b>54.1451</b>	<b>1.0300e-003</b>	<b>9.8000e-004</b>	<b>54.4668</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	808474	215.7362	8.8000e-003	1.8300e-003	216.5027
General Office Building	129900	34.6630	1.4100e-003	2.9000e-004	34.7862
General Office Building	168870	45.0619	1.8400e-003	3.8000e-004	45.2220
General Office Building	298770	79.7249	3.2500e-003	6.8000e-004	80.0082
General Office Building	38970	10.3989	4.2000e-004	9.0000e-005	10.4359
General Office Building	64950	17.3315	7.1000e-004	1.5000e-004	17.3931
Library	277500	74.0492	3.0200e-003	6.3000e-004	74.3122
Other Asphalt Surfaces	1.12428e+006	300.0082	0.0122	2.5500e-003	301.0740
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	167020	44.5683	1.8200e-003	3.8000e-004	44.7266
<b>Total</b>		<b>821.5421</b>	<b>0.0335</b>	<b>6.9800e-003</b>	<b>824.4608</b>

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	808474	215.7362	8.8000e-003	1.8300e-003	216.5027
General Office Building	129900	34.6630	1.4100e-003	2.9000e-004	34.7862
General Office Building	168870	45.0619	1.8400e-003	3.8000e-004	45.2220
General Office Building	298770	79.7249	3.2500e-003	6.8000e-004	80.0082
General Office Building	38970	10.3989	4.2000e-004	9.0000e-005	10.4359
General Office Building	64950	17.3315	7.1000e-004	1.5000e-004	17.3931
Library	277500	74.0492	3.0200e-003	6.3000e-004	74.3122
Other Asphalt Surfaces	1.12428e+006	300.0082	0.0122	2.5500e-003	301.0740
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	167020	44.5683	1.8200e-003	3.8000e-004	44.7266
<b>Total</b>		<b>821.5421</b>	<b>0.0335</b>	<b>6.9800e-003</b>	<b>824.4608</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area





Landscaping	1.6300e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0338	0.0338	9.0000e-005	0.0000	0.0360
<b>Total</b>	<b>0.4876</b>	<b>1.6000e-004</b>	<b>0.0174</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0338</b>	<b>0.0338</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.0360</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Use Reclaimed Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	68.8606	0.3285	8.2500e-003	79.5330
Unmitigated	96.3406	0.3297	8.4900e-003	107.1107

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 11.5165	34.1422	1.3900e-003	2.9000e-004	34.2635
General Office Building	9.5 / 5.88241	53.4616	0.3116	7.7400e-003	63.5579
Library	0.5 / 1.22348	5.5231	0.0165	4.3000e-004	6.0641

Other Asphalt Surfaces	0 / 1.08405	3.2138	1.3000e-004	3.0000e-005	3.2252
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>96.3406</b>	<b>0.3297</b>	<b>8.4900e-003</b>	<b>107.1107</b>

**Mitigated**

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
City Park	0 / 6.09948	18.0828	7.4000e-004	1.5000e-004	18.1470
General Office Building	9.5 / 3.11551	45.2587	0.3113	7.6700e-003	55.3259
Library	0.5 / 0.647991	3.8170	0.0164	4.2000e-004	4.3519
Other Asphalt Surfaces	0 / 0.574146	1.7021	7.0000e-005	1.0000e-005	1.7082
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>68.8606</b>	<b>0.3285</b>	<b>8.2500e-003</b>	<b>79.5330</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.9700	0.2346	0.0000	9.8355
Unmitigated	15.8800	0.9385	0.0000	39.3420

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	4.99	1.0129	0.0599	0.0000	2.5095
General Office Building	50.22	10.1942	0.6025	0.0000	25.2557
Library	23.02	4.6729	0.2762	0.0000	11.5768
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>15.8800</b>	<b>0.9385</b>	<b>0.0000</b>	<b>39.3420</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.2475	0.2532	0.0150	0.0000	0.6274
General Office Building	12.555	2.5486	0.1506	0.0000	6.3139
Library	5.755	1.1682	0.0690	0.0000	2.8942
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.9700</b>	<b>0.2346</b>	<b>0.0000</b>	<b>9.8355</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