

**Greenhouse Gas Emission Worksheet**  
**N2O Mobile Emissions**

Skechers Hermosa

From CalEEMod:

Annual VMT: 4,677,642

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	53.1%	0.04	0.02124	0.04	0.02124
Light Truck < 3750 lbs	5.8%	0.05	0.0029	0.06	0.00348
Light Truck 3751-5750 lbs	17.9%	0.05	0.00895	0.06	0.01074
Med Truck 5751-8500 lbs	12.5%	0.12	0.015	0.2	0.025
Lite-Heavy Truck 8501-10,000 lbs	3.9%	0.12	0.00468	0.2	0.0078
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.00054	0.125	0.00075
Med-Heavy Truck 14,001-33,000 lbs	1.7%	0.06	0.00102	0.05	0.00085
Heavy-Heavy Truck 33,001-60,000 lbs	3.4%	0.06	0.00204	0.05	0.0017
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.3%	0.06	0.00018	0.05	0.00015
Motorcycle	0.4%	0.09	0.00036	0.01	0.00004
School Bus	0.1%	0.06	0.00003	0.05	0.000025
Motor Home	0.1%	0.09	0.00009	0.125	0.000125
<b>Total</b>	<b>100.0%</b>		<b>0.05715</b>		<b>0.072</b>

**Total Emissions (metric tons) =**

**Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g**

**Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)**

CH4 21 GWP  
 N2O 310 GWP  
 1 ton (short, US) = 0.90718474 metric ton

**Annual Mobile Emissions:**

	Total Emissions	Total CO2e units
N2O Emissions:	0.3368 metric tons N2O	104.40 metric tons CO2e
<b>Project Total:</b>		<b>104.40 metric tons CO2e</b>

**References**

- \* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile). in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009. Assume Model year 2000-present, gasoline fueled.
- \*\* Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.

**Skechers - Manhattan Beach Components**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.33	1000sqft	1.20	20,328.00	0
General Office Building	37.17	1000sqft	0.65	37,174.00	0
Enclosed Parking with Elevator	199.00	Space	0.00	79,600.00	0
Enclosed Parking with Elevator	127.00	Space	0.00	50,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	8			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - From Project description, site plan and traffic study (LLG 2016)

Construction Phase - Per applicant provided construction schedule

Off-road Equipment -

Trips and VMT -

Demolition - from LLG Traffic Study (2016)

Car wash and Auto Care Center not included because already demolished

Grading - 52,500 total export from PD

Architectural Coating - Assumed Compliance with amended SCAQMD Rule 1113

Vehicle Trips - Trip rate from traffic study and 15.2 from Traffic Study by LLG (2016) Table F.

Area Coating - Assume compliance with amended SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - Assumed compliance with Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Assumed compliance with amended SCAQMD rule 1113

Energy Mitigation -

Water Mitigation - Grey Water use on all outdoor landscaping

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstructionPhase	NumDays	10.00	197.00
tblConstructionPhase	NumDays	200.00	244.00
tblConstructionPhase	NumDays	4.00	124.00
tblConstructionPhase	NumDays	10.00	85.00

tblConstructionPhase	PhaseEndDate	5/7/2019	1/16/2019
tblConstructionPhase	PhaseEndDate	9/24/2018	8/3/2018
tblConstructionPhase	PhaseEndDate	10/24/2017	10/17/2017
tblConstructionPhase	PhaseEndDate	5/15/2019	10/15/2018
tblConstructionPhase	PhaseStartDate	8/4/2018	4/17/2018
tblConstructionPhase	PhaseStartDate	10/18/2017	8/29/2017
tblConstructionPhase	PhaseStartDate	5/4/2017	4/27/2017
tblConstructionPhase	PhaseStartDate	1/17/2019	6/19/2018
tblGrading	MaterialExported	0.00	52,500.00
tblLandUse	LandUseSquareFeet	20,330.00	20,328.00
tblLandUse	LandUseSquareFeet	37,170.00	37,174.00
tblLandUse	LotAcreage	0.47	1.20
tblLandUse	LotAcreage	0.85	0.65
tblLandUse	LotAcreage	1.14	0.00
tblLandUse	LotAcreage	1.79	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	WD_TR	11.01	11.65

## 2.0 Emissions Summary

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**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.3669	61.3577	47.6919	0.0933	6.9828	2.8864	9.6662	3.0804	2.6800	5.6337	0.0000	8,953.9310	8,953.9310	1.1083	0.0000	8,977.2055
2018	8.9305	32.4750	33.4302	0.0589	1.3224	1.8523	3.1747	0.3545	1.7653	2.1197	0.0000	5,370.9639	5,370.9639	0.9007	0.0000	5,389.8794
2019	4.7388	1.9056	2.5716	5.0200e-003	0.1677	0.1302	0.2979	0.0445	0.1301	0.1746	0.0000	436.4553	436.4553	0.0318	0.0000	437.1236
<b>Total</b>	<b>20.0362</b>	<b>95.7382</b>	<b>83.6937</b>	<b>0.1572</b>	<b>8.4729</b>	<b>4.8689</b>	<b>13.1387</b>	<b>3.4794</b>	<b>4.5754</b>	<b>7.9280</b>	<b>0.0000</b>	<b>14,761.3503</b>	<b>14,761.3503</b>	<b>2.0409</b>	<b>0.0000</b>	<b>14,804.2085</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.3669	61.3577	47.6919	0.0933	4.2536	2.8864	6.7929	1.6874	2.6800	4.1897	0.0000	8,953.9310	8,953.9310	1.1083	0.0000	8,977.2055
2018	8.9305	32.4750	33.4302	0.0589	1.3224	1.8523	3.1747	0.3545	1.7653	2.1197	0.0000	5,370.9639	5,370.9639	0.9007	0.0000	5,389.8794
2019	4.7388	1.9056	2.5716	5.0200e-003	0.1677	0.1302	0.2979	0.0445	0.1301	0.1746	0.0000	436.4553	436.4553	0.0318	0.0000	437.1236
<b>Total</b>	<b>20.0362</b>	<b>95.7382</b>	<b>83.6937</b>	<b>0.1572</b>	<b>5.7437</b>	<b>4.8689</b>	<b>10.2654</b>	<b>2.0863</b>	<b>4.5754</b>	<b>6.4840</b>	<b>0.0000</b>	<b>14,761.3503</b>	<b>14,761.3503</b>	<b>2.0409</b>	<b>0.0000</b>	<b>14,804.2085</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	32.21	0.00	21.87	40.04	0.00	18.21	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6786	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Energy	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236
Mobile	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521
<b>Total</b>	<b>6.7478</b>	<b>5.8842</b>	<b>22.7073</b>	<b>0.0678</b>	<b>4.5843</b>	<b>0.1057</b>	<b>4.6900</b>	<b>1.2260</b>	<b>0.0983</b>	<b>1.3243</b>		<b>5,378.6596</b>	<b>5,378.6596</b>	<b>0.1998</b>	<b>3.2600e-003</b>	<b>5,383.8643</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9628	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Energy	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236
Mobile	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521
<b>Total</b>	<b>6.0319</b>	<b>5.8842</b>	<b>22.7073</b>	<b>0.0678</b>	<b>4.5843</b>	<b>0.1057</b>	<b>4.6900</b>	<b>1.2260</b>	<b>0.0983</b>	<b>1.3243</b>		<b>5,378.6596</b>	<b>5,378.6596</b>	<b>0.1998</b>	<b>3.2600e-003</b>	<b>5,383.8643</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2017	5/3/2017	5	20	
2	Grading	Grading	4/27/2017	10/17/2017	5	124	
3	Building Construction	Building Construction	8/29/2017	8/3/2018	5	244	
4	Architectural Coating	Architectural Coating	4/17/2018	1/16/2019	5	197	
5	Paving	Paving	6/19/2018	10/15/2018	5	85	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 46.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 281,853; Non-Residential Outdoor: 93,951 (Architectural Coating – sqft)

#### OffRoad Equipment



Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	57.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	73.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6114	0.0000	0.6114	0.0926	0.0000	0.0926			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>0.6114</b>	<b>1.6062</b>	<b>2.2176</b>	<b>0.0926</b>	<b>1.5022</b>	<b>1.5948</b>		<b>2,457.468 2</b>	<b>2,457.468 2</b>	<b>0.6235</b>		<b>2,470.562 0</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0500	0.7596	0.6340	2.1200e-003	0.0496	0.0108	0.0605	0.0136	9.9600e-003	0.0236		210.5360	210.5360	1.5800e-003		210.5691
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1040</b>	<b>0.8326</b>	<b>1.3981</b>	<b>3.9000e-003</b>	<b>0.1950</b>	<b>0.0122</b>	<b>0.2071</b>	<b>0.0521</b>	<b>0.0112</b>	<b>0.0633</b>		<b>355.6856</b>	<b>355.6856</b>	<b>9.6200e-003</b>		<b>355.8875</b>

### 3.2 Demolition - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2751	0.0000	0.2751	0.0417	0.0000	0.0417			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>0.2751</b>	<b>1.6062</b>	<b>1.8813</b>	<b>0.0417</b>	<b>1.5022</b>	<b>1.5439</b>	<b>0.0000</b>	<b>2,457.468 2</b>	<b>2,457.468 2</b>	<b>0.6235</b>		<b>2,470.562 0</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0500	0.7596	0.6340	2.1200e-003	0.0496	0.0108	0.0605	0.0136	9.9600e-003	0.0236		210.5360	210.5360	1.5800e-003		210.5691
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1040</b>	<b>0.8326</b>	<b>1.3981</b>	<b>3.9000e-003</b>	<b>0.1950</b>	<b>0.0122</b>	<b>0.2071</b>	<b>0.0521</b>	<b>0.0112</b>	<b>0.0633</b>		<b>355.6856</b>	<b>355.6856</b>	<b>9.6200e-003</b>		<b>355.8875</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9621	0.0000	4.9621	2.5329	0.0000	2.5329			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>4.9621</b>	<b>1.0661</b>	<b>6.0283</b>	<b>2.5329</b>	<b>0.9808</b>	<b>3.5137</b>		<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9291	14.1058	11.7737	0.0394	0.9219	0.2012	1.1230	0.2524	0.1850	0.4375		3,909.8699	3,909.8699	0.0293		3,910.4845
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>0.9623</b>	<b>14.1508</b>	<b>12.2440</b>	<b>0.0405</b>	<b>1.0113</b>	<b>0.2020</b>	<b>1.2133</b>	<b>0.2761</b>	<b>0.1858</b>	<b>0.4619</b>		<b>3,999.1928</b>	<b>3,999.1928</b>	<b>0.0342</b>		<b>3,999.9112</b>

### 3.3 Grading - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2330	0.0000	2.2330	1.1398	0.0000	1.1398			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.189 4	1,439.189 4	0.4410		1,448.449 6
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>2.2330</b>	<b>1.0661</b>	<b>3.2991</b>	<b>1.1398</b>	<b>0.9808</b>	<b>2.1206</b>	<b>0.0000</b>	<b>1,439.189 4</b>	<b>1,439.189 4</b>	<b>0.4410</b>		<b>1,448.449 6</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9291	14.1058	11.7737	0.0394	0.9219	0.2012	1.1230	0.2524	0.1850	0.4375		3,909.869 9	3,909.869 9	0.0293		3,910.484 5
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>0.9623</b>	<b>14.1508</b>	<b>12.2440</b>	<b>0.0405</b>	<b>1.0113</b>	<b>0.2020</b>	<b>1.2133</b>	<b>0.2761</b>	<b>0.1858</b>	<b>0.4619</b>		<b>3,999.192 8</b>	<b>3,999.192 8</b>	<b>0.0342</b>		<b>3,999.911 2</b>

**3.4 Building Construction - 2017****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497
<b>Total</b>	<b>2.9546</b>	<b>19.1088</b>	<b>14.3110</b>	<b>0.0220</b>		<b>1.2257</b>	<b>1.2257</b>		<b>1.1823</b>	<b>1.1823</b>		<b>2,034.2860</b>	<b>2,034.2860</b>	<b>0.4268</b>		<b>2,043.2497</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2623	2.5338	3.6396	6.7600e-003	0.1934	0.0382	0.2316	0.0550	0.0351	0.0901		666.1920	666.1920	5.0000e-003		666.2969
Worker	0.3033	0.4104	4.2907	0.0100	0.8160	7.3900e-003	0.8234	0.2164	6.8200e-003	0.2232		815.0709	815.0709	0.0451		816.0188
<b>Total</b>	<b>0.5656</b>	<b>2.9442</b>	<b>7.9303</b>	<b>0.0168</b>	<b>1.0094</b>	<b>0.0456</b>	<b>1.0549</b>	<b>0.2714</b>	<b>0.0419</b>	<b>0.3134</b>		<b>1,481.2629</b>	<b>1,481.2629</b>	<b>0.0501</b>		<b>1,482.3157</b>

### 3.4 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497
<b>Total</b>	<b>2.9546</b>	<b>19.1088</b>	<b>14.3110</b>	<b>0.0220</b>		<b>1.2257</b>	<b>1.2257</b>		<b>1.1823</b>	<b>1.1823</b>	<b>0.0000</b>	<b>2,034.2860</b>	<b>2,034.2860</b>	<b>0.4268</b>		<b>2,043.2497</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2623	2.5338	3.6396	6.7600e-003	0.1934	0.0382	0.2316	0.0550	0.0351	0.0901		666.1920	666.1920	5.0000e-003		666.2969
Worker	0.3033	0.4104	4.2907	0.0100	0.8160	7.3900e-003	0.8234	0.2164	6.8200e-003	0.2232		815.0709	815.0709	0.0451		816.0188
<b>Total</b>	<b>0.5656</b>	<b>2.9442</b>	<b>7.9303</b>	<b>0.0168</b>	<b>1.0094</b>	<b>0.0456</b>	<b>1.0549</b>	<b>0.2714</b>	<b>0.0419</b>	<b>0.3134</b>		<b>1,481.2629</b>	<b>1,481.2629</b>	<b>0.0501</b>		<b>1,482.3157</b>

### 3.4 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8357</b>	<b>0.0220</b>		<b>1.0532</b>	<b>1.0532</b>		<b>1.0172</b>	<b>1.0172</b>		<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>		<b>2,029.9373</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2461	2.3285	3.4999	6.7500e-003	0.1934	0.0359	0.2294	0.0551	0.0331	0.0881		655.1784	655.1784	4.9700e-003		655.2828
Worker	0.2724	0.3725	3.8818	0.0100	0.8160	7.1600e-003	0.8231	0.2164	6.6200e-003	0.2230		785.1820	785.1820	0.0419		786.0624
<b>Total</b>	<b>0.5186</b>	<b>2.7010</b>	<b>7.3817</b>	<b>0.0168</b>	<b>1.0094</b>	<b>0.0431</b>	<b>1.0525</b>	<b>0.2715</b>	<b>0.0397</b>	<b>0.3111</b>		<b>1,440.3604</b>	<b>1,440.3604</b>	<b>0.0469</b>		<b>1,441.3453</b>



### 3.4 Building Construction - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8357</b>	<b>0.0220</b>		<b>1.0532</b>	<b>1.0532</b>		<b>1.0172</b>	<b>1.0172</b>	<b>0.0000</b>	<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>		<b>2,029.9373</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2461	2.3285	3.4999	6.7500e-003	0.1934	0.0359	0.2294	0.0551	0.0331	0.0881		655.1784	655.1784	4.9700e-003		655.2828
Worker	0.2724	0.3725	3.8818	0.0100	0.8160	7.1600e-003	0.8231	0.2164	6.6200e-003	0.2230		785.1820	785.1820	0.0419		786.0624
<b>Total</b>	<b>0.5186</b>	<b>2.7010</b>	<b>7.3817</b>	<b>0.0168</b>	<b>1.0094</b>	<b>0.0431</b>	<b>1.0525</b>	<b>0.2715</b>	<b>0.0397</b>	<b>0.3111</b>		<b>1,440.3604</b>	<b>1,440.3604</b>	<b>0.0469</b>		<b>1,441.3453</b>

### 3.5 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>4.7196</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
<b>Total</b>	<b>0.0560</b>	<b>0.0765</b>	<b>0.7976</b>	<b>2.0600e-003</b>	<b>0.1677</b>	<b>1.4700e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.3600e-003</b>	<b>0.0458</b>		<b>161.3388</b>	<b>161.3388</b>	<b>8.6200e-003</b>		<b>161.5197</b>

### 3.5 Architectural Coating - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>4.7196</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003			161.5197
<b>Total</b>	<b>0.0560</b>	<b>0.0765</b>	<b>0.7976</b>	<b>2.0600e-003</b>	<b>0.1677</b>	<b>1.4700e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.3600e-003</b>	<b>0.0458</b>		<b>161.3388</b>	<b>161.3388</b>	<b>8.6200e-003</b>			<b>161.5197</b>

### 3.5 Architectural Coating - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>4.6874</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>281.9473</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764
<b>Total</b>	<b>0.0514</b>	<b>0.0702</b>	<b>0.7303</b>	<b>2.0500e-003</b>	<b>0.1677</b>	<b>1.4300e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.3300e-003</b>	<b>0.0458</b>		<b>155.0073</b>	<b>155.0073</b>	<b>8.0500e-003</b>		<b>155.1764</b>

### 3.5 Architectural Coating - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>4.6874</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>281.9473</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764
<b>Total</b>	<b>0.0514</b>	<b>0.0702</b>	<b>0.7303</b>	<b>2.0500e-003</b>	<b>0.1677</b>	<b>1.4300e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.3300e-003</b>	<b>0.0458</b>		<b>155.0073</b>	<b>155.0073</b>	<b>8.0500e-003</b>		<b>155.1764</b>

### 3.6 Paving - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553		1,326.5758	1,326.5758	0.4051		1,335.0833
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0052</b>	<b>10.3081</b>	<b>8.8698</b>	<b>0.0133</b>		<b>0.6027</b>	<b>0.6027</b>		<b>0.5553</b>	<b>0.5553</b>		<b>1,326.5758</b>	<b>1,326.5758</b>	<b>0.4051</b>		<b>1,335.0833</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003		139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>		<b>139.9837</b>

### 3.6 Paving - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553	0.0000	1,326.5758	1,326.5758	0.4051		1,335.0833
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0052</b>	<b>10.3081</b>	<b>8.8698</b>	<b>0.0133</b>		<b>0.6027</b>	<b>0.6027</b>		<b>0.5553</b>	<b>0.5553</b>	<b>0.0000</b>	<b>1,326.5758</b>	<b>1,326.5758</b>	<b>0.4051</b>		<b>1,335.0833</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003		139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>		<b>139.9837</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	lb/day										lb/day					
Mitigated	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521
Unmitigated	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	236.84	48.18	19.92	576,332	576,332
General Office Building	433.03	88.09	36.43	1,053,727	1,053,727
<b>Total</b>	<b>669.88</b>	<b>136.28</b>	<b>56.35</b>	<b>1,630,059</b>	<b>1,630,059</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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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



LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236
NaturalGas Unmitigated	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	534.097	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8350	62.8350	1.2000e-003	1.1500e-003	63.2174
General Office Building	976.709	0.0105	0.0958	0.0804	5.7000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003		114.9069	114.9069	2.2000e-003	2.1100e-003	115.6062
<b>Total</b>		<b>0.0163</b>	<b>0.1481</b>	<b>0.1244</b>	<b>8.8000e-004</b>		<b>0.0113</b>	<b>0.0113</b>		<b>0.0113</b>	<b>0.0113</b>		<b>177.7419</b>	<b>177.7419</b>	<b>3.4000e-003</b>	<b>3.2600e-003</b>	<b>178.8236</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	lb/day										lb/day					
General Office Building	0.534097	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8350	62.8350	1.2000e-003	1.1500e-003	63.2174
General Office Building	0.976709	0.0105	0.0958	0.0804	5.7000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003		114.9069	114.9069	2.2000e-003	2.1100e-003	115.6062
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0163</b>	<b>0.1481</b>	<b>0.1244</b>	<b>8.8000e-004</b>		<b>0.0113</b>	<b>0.0113</b>		<b>0.0113</b>	<b>0.0113</b>		<b>177.7419</b>	<b>177.7419</b>	<b>3.4000e-003</b>	<b>3.2600e-003</b>	<b>178.8236</b>

### 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.9628	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Unmitigated	4.6786	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7100e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
<b>Total</b>	<b>4.6786</b>	<b>3.6000e-004</b>	<b>0.0394</b>	<b>0.0000</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>0.0839</b>	<b>0.0839</b>	<b>2.3000e-004</b>		<b>0.0887</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7100e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
<b>Total</b>	<b>3.9628</b>	<b>3.6000e-004</b>	<b>0.0394</b>	<b>0.0000</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>0.0839</b>	<b>0.0839</b>	<b>2.3000e-004</b>		<b>0.0887</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Use Grey Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**Skechers - Manhattan Beach Components**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.33	1000sqft	1.20	20,328.00	0
General Office Building	37.17	1000sqft	0.65	37,174.00	0
Enclosed Parking with Elevator	199.00	Space	0.00	79,600.00	0
Enclosed Parking with Elevator	127.00	Space	0.00	50,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	8			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - From Project description, site plan and traffic study (LLG 2016)

Construction Phase - Per applicant provided construction schedule

Off-road Equipment -

Trips and VMT -

Demolition - from LLG Traffic Study (2016)

Car wash and Auto Care Center not included because already demolished

Grading - 52,500 total export from PD

Architectural Coating - Assumed Compliance with amended SCAQMD Rule 1113

Vehicle Trips - Trip rate from traffic study and 15.2 from Traffic Study by LLG (2016) Table F.

Area Coating - Assume compliance with amended SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - Assumed compliance with Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Assumed compliance with amended SCAQMD rule 1113

Energy Mitigation -

Water Mitigation - Grey Water use on all outdoor landscaping

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstructionPhase	NumDays	10.00	197.00
tblConstructionPhase	NumDays	200.00	244.00
tblConstructionPhase	NumDays	4.00	124.00
tblConstructionPhase	NumDays	10.00	85.00

tblConstructionPhase	PhaseEndDate	5/7/2019	1/16/2019
tblConstructionPhase	PhaseEndDate	9/24/2018	8/3/2018
tblConstructionPhase	PhaseEndDate	10/24/2017	10/17/2017
tblConstructionPhase	PhaseEndDate	5/15/2019	10/15/2018
tblConstructionPhase	PhaseStartDate	8/4/2018	4/17/2018
tblConstructionPhase	PhaseStartDate	10/18/2017	8/29/2017
tblConstructionPhase	PhaseStartDate	5/4/2017	4/27/2017
tblConstructionPhase	PhaseStartDate	1/17/2019	6/19/2018
tblGrading	MaterialExported	0.00	52,500.00
tblLandUse	LandUseSquareFeet	20,330.00	20,328.00
tblLandUse	LandUseSquareFeet	37,170.00	37,174.00
tblLandUse	LotAcreage	0.47	1.20
tblLandUse	LotAcreage	0.85	0.65
tblLandUse	LotAcreage	1.14	0.00
tblLandUse	LotAcreage	1.79	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	WD_TR	11.01	11.65

## 2.0 Emissions Summary

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## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3591	3.3783	2.7642	5.4000e-003	0.4214	0.1514	0.5727	0.1872	0.1419	0.3291	0.0000	474.3921	474.3921	0.0517	0.0000	475.4780
2018	0.7246	2.1896	2.2935	4.1300e-003	0.0980	0.1247	0.2227	0.0263	0.1196	0.1459	0.0000	338.4999	338.4999	0.0507	0.0000	339.5646
2019	0.0284	0.0114	0.0155	3.0000e-005	9.9000e-004	7.8000e-004	1.7700e-003	2.6000e-004	7.8000e-004	1.0400e-003	0.0000	2.3893	2.3893	1.7000e-004	0.0000	2.3929
<b>Total</b>	<b>1.1121</b>	<b>5.5793</b>	<b>5.0732</b>	<b>9.5600e-003</b>	<b>0.5203</b>	<b>0.2768</b>	<b>0.7972</b>	<b>0.2138</b>	<b>0.2623</b>	<b>0.4761</b>	<b>0.0000</b>	<b>815.2812</b>	<b>815.2812</b>	<b>0.1026</b>	<b>0.0000</b>	<b>817.4355</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					
2017	0.3591	3.3783	2.7642	5.4000e-003	0.2488	0.1514	0.4001	0.1003	0.1419	0.2422	0.0000	474.3918	474.3918	0.0517	0.0000	475.4777
2018	0.7246	2.1896	2.2935	4.1300e-003	0.0980	0.1247	0.2227	0.0263	0.1196	0.1459	0.0000	338.4996	338.4996	0.0507	0.0000	339.5644
2019	0.0284	0.0114	0.0155	3.0000e-005	9.9000e-004	7.8000e-004	1.7700e-003	2.6000e-004	7.8000e-004	1.0400e-003	0.0000	2.3893	2.3893	1.7000e-004	0.0000	2.3929
<b>Total</b>	<b>1.1121</b>	<b>5.5793</b>	<b>5.0732</b>	<b>9.5600e-003</b>	<b>0.3478</b>	<b>0.2768</b>	<b>0.6246</b>	<b>0.1269</b>	<b>0.2623</b>	<b>0.3892</b>	<b>0.0000</b>	<b>815.2807</b>	<b>815.2807</b>	<b>0.1026</b>	<b>0.0000</b>	<b>817.4350</b>



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	33.16	0.00	21.65	40.64	0.00	18.25	0.00	0.00	0.00	0.00	0.00	0.00

## 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	0.8536	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Energy	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	537.9678	537.9678	0.0239	5.3800e-003	540.1371
Mobile	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269
Waste						0.0000	0.0000		0.0000	0.0000	10.8560	0.0000	10.8560	0.6416	0.0000	24.3289
Water						0.0000	0.0000		0.0000	0.0000	3.2422	57.9946	61.2368	0.3357	8.4100e-003	70.8945
<b>Total</b>	<b>1.1246</b>	<b>0.8306</b>	<b>3.1357</b>	<b>9.4700e-003</b>	<b>0.6181</b>	<b>0.0150</b>	<b>0.6331</b>	<b>0.1656</b>	<b>0.0140</b>	<b>0.1795</b>	<b>14.0982</b>	<b>1,251.8861</b>	<b>1,265.9843</b>	<b>1.0256</b>	<b>0.0138</b>	<b>1,291.7975</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7230	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Energy	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	537.9678	537.9678	0.0239	5.3800e-003	540.1371
Mobile	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269
Waste						0.0000	0.0000		0.0000	0.0000	10.8560	0.0000	10.8560	0.6416	0.0000	24.3289
Water						0.0000	0.0000		0.0000	0.0000	3.2422	38.0804	41.3226	0.3347	8.2100e-003	50.8972
<b>Total</b>	<b>0.9940</b>	<b>0.8306</b>	<b>3.1357</b>	<b>9.4700e-003</b>	<b>0.6181</b>	<b>0.0150</b>	<b>0.6331</b>	<b>0.1656</b>	<b>0.0140</b>	<b>0.1795</b>	<b>14.0982</b>	<b>1,231.9719</b>	<b>1,246.0701</b>	<b>1.0247</b>	<b>0.0136</b>	<b>1,271.8001</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>11.62</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>1.59</b>	<b>1.57</b>	<b>0.09</b>	<b>1.45</b>	<b>1.55</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	4/6/2017	5/3/2017	5	20	
2	Grading	Grading	4/27/2017	10/17/2017	5	124	
3	Building Construction	Building Construction	8/29/2017	8/3/2018	5	244	
4	Architectural Coating	Architectural Coating	4/17/2018	1/16/2019	5	197	
5	Paving	Paving	6/19/2018	10/15/2018	5	85	

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

**Acres of Grading (Grading Phase): 46.5**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 281,853; Non-Residential Outdoor: 93,951 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	57.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	73.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.1100e-003	0.0000	6.1100e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126
<b>Total</b>	<b>0.0272</b>	<b>0.2659</b>	<b>0.2087</b>	<b>2.4000e-004</b>	<b>6.1100e-003</b>	<b>0.0161</b>	<b>0.0222</b>	<b>9.3000e-004</b>	<b>0.0150</b>	<b>0.0160</b>	<b>0.0000</b>	<b>22.2938</b>	<b>22.2938</b>	<b>5.6600e-003</b>	<b>0.0000</b>	<b>22.4126</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	4.9000e-004	7.7300e-003	6.1500e-003	2.0000e-005	4.9000e-004	1.1000e-004	6.0000e-004	1.3000e-004	1.0000e-004	2.3000e-004	0.0000	1.9126	1.9126	1.0000e-005	0.0000	1.9129
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
<b>Total</b>	<b>1.0000e-003</b>	<b>8.4800e-003</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>1.9100e-003</b>	<b>1.2000e-004</b>	<b>2.0400e-003</b>	<b>5.1000e-004</b>	<b>1.1000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>3.2505</b>	<b>3.2505</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.2524</b>

### 3.2 Demolition - 2017

#### 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					2.7500e-003	0.0000	2.7500e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125
<b>Total</b>	<b>0.0272</b>	<b>0.2659</b>	<b>0.2087</b>	<b>2.4000e-004</b>	<b>2.7500e-003</b>	<b>0.0161</b>	<b>0.0188</b>	<b>4.2000e-004</b>	<b>0.0150</b>	<b>0.0154</b>	<b>0.0000</b>	<b>22.2938</b>	<b>22.2938</b>	<b>5.6600e-003</b>	<b>0.0000</b>	<b>22.4125</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	4.9000e-004	7.7300e-003	6.1500e-003	2.0000e-005	4.9000e-004	1.1000e-004	6.0000e-004	1.3000e-004	1.0000e-004	2.3000e-004	0.0000	1.9126	1.9126	1.0000e-005	0.0000	1.9129
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
<b>Total</b>	<b>1.0000e-003</b>	<b>8.4800e-003</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>1.9100e-003</b>	<b>1.2000e-004</b>	<b>2.0400e-003</b>	<b>5.1000e-004</b>	<b>1.1000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>3.2505</b>	<b>3.2505</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.2524</b>

**3.3 Grading - 2017****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3077	0.0000	0.3077	0.1570	0.0000	0.1570	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1168	1.2269	0.8171	8.7000e-004		0.0661	0.0661		0.0608	0.0608	0.0000	80.9479	80.9479	0.0248	0.0000	81.4687
<b>Total</b>	<b>0.1168</b>	<b>1.2269</b>	<b>0.8171</b>	<b>8.7000e-004</b>	<b>0.3077</b>	<b>0.0661</b>	<b>0.3738</b>	<b>0.1570</b>	<b>0.0608</b>	<b>0.2179</b>	<b>0.0000</b>	<b>80.9479</b>	<b>80.9479</b>	<b>0.0248</b>	<b>0.0000</b>	<b>81.4687</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	0.0567	0.8901	0.7076	2.4500e-003	0.0562	0.0125	0.0686	0.0154	0.0115	0.0269	0.0000	220.2128	220.2128	1.6300e-003	0.0000	220.2471
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	2.8600e-003	0.0298	7.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	5.1049	5.1049	2.8000e-004	0.0000	5.1107
<b>Total</b>	<b>0.0586</b>	<b>0.8930</b>	<b>0.7374</b>	<b>2.5200e-003</b>	<b>0.0616</b>	<b>0.0125</b>	<b>0.0741</b>	<b>0.0169</b>	<b>0.0115</b>	<b>0.0284</b>	<b>0.0000</b>	<b>225.3176</b>	<b>225.3176</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>225.3578</b>

### 3.3 Grading - 2017

#### 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					0.1384	0.0000	0.1384	0.0707	0.0000	0.0707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1168	1.2269	0.8171	8.7000e-004		0.0661	0.0661		0.0608	0.0608	0.0000	80.9478	80.9478	0.0248	0.0000	81.4686
<b>Total</b>	<b>0.1168</b>	<b>1.2269</b>	<b>0.8171</b>	<b>8.7000e-004</b>	<b>0.1384</b>	<b>0.0661</b>	<b>0.2045</b>	<b>0.0707</b>	<b>0.0608</b>	<b>0.1315</b>	<b>0.0000</b>	<b>80.9478</b>	<b>80.9478</b>	<b>0.0248</b>	<b>0.0000</b>	<b>81.4686</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	0.0567	0.8901	0.7076	2.4500e-003	0.0562	0.0125	0.0686	0.0154	0.0115	0.0269	0.0000	220.2128	220.2128	1.6300e-003	0.0000	220.2471
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	2.8600e-003	0.0298	7.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	5.1049	5.1049	2.8000e-004	0.0000	5.1107
<b>Total</b>	<b>0.0586</b>	<b>0.8930</b>	<b>0.7374</b>	<b>2.5200e-003</b>	<b>0.0616</b>	<b>0.0125</b>	<b>0.0741</b>	<b>0.0169</b>	<b>0.0115</b>	<b>0.0284</b>	<b>0.0000</b>	<b>225.3176</b>	<b>225.3176</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>225.3578</b>



### 3.4 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.8503	0.6368	9.8000e-004		0.0545	0.0545		0.0526	0.0526	0.0000	82.1236	82.1236	0.0172	0.0000	82.4854
<b>Total</b>	<b>0.1315</b>	<b>0.8503</b>	<b>0.6368</b>	<b>9.8000e-004</b>		<b>0.0545</b>	<b>0.0545</b>		<b>0.0526</b>	<b>0.0526</b>	<b>0.0000</b>	<b>82.1236</b>	<b>82.1236</b>	<b>0.0172</b>	<b>0.0000</b>	<b>82.4854</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	0.0113	0.1150	0.1551	3.0000e-004	8.4600e-003	1.6900e-003	0.0102	2.4100e-003	1.5500e-003	3.9700e-003	0.0000	27.0249	27.0249	2.0000e-004	0.0000	27.0290
Worker	0.0127	0.0188	0.1952	4.5000e-004	0.0356	3.3000e-004	0.0359	9.4500e-003	3.0000e-004	9.7600e-003	0.0000	33.4338	33.4338	1.8200e-003	0.0000	33.4721
<b>Total</b>	<b>0.0240</b>	<b>0.1337</b>	<b>0.3503</b>	<b>7.5000e-004</b>	<b>0.0441</b>	<b>2.0200e-003</b>	<b>0.0461</b>	<b>0.0119</b>	<b>1.8500e-003</b>	<b>0.0137</b>	<b>0.0000</b>	<b>60.4587</b>	<b>60.4587</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>60.5011</b>

### 3.4 Building Construction - 2017

#### 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	0.1315	0.8503	0.6368	9.8000e-004		0.0545	0.0545		0.0526	0.0526	0.0000	82.1235	82.1235	0.0172	0.0000	82.4853
<b>Total</b>	<b>0.1315</b>	<b>0.8503</b>	<b>0.6368</b>	<b>9.8000e-004</b>		<b>0.0545</b>	<b>0.0545</b>		<b>0.0526</b>	<b>0.0526</b>	<b>0.0000</b>	<b>82.1235</b>	<b>82.1235</b>	<b>0.0172</b>	<b>0.0000</b>	<b>82.4853</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	0.0113	0.1150	0.1551	3.0000e-004	8.4600e-003	1.6900e-003	0.0102	2.4100e-003	1.5500e-003	3.9700e-003	0.0000	27.0249	27.0249	2.0000e-004	0.0000	27.0290
Worker	0.0127	0.0188	0.1952	4.5000e-004	0.0356	3.3000e-004	0.0359	9.4500e-003	3.0000e-004	9.7600e-003	0.0000	33.4338	33.4338	1.8200e-003	0.0000	33.4721
<b>Total</b>	<b>0.0240</b>	<b>0.1337</b>	<b>0.3503</b>	<b>7.5000e-004</b>	<b>0.0441</b>	<b>2.0200e-003</b>	<b>0.0461</b>	<b>0.0119</b>	<b>1.8500e-003</b>	<b>0.0137</b>	<b>0.0000</b>	<b>60.4587</b>	<b>60.4587</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>60.5011</b>

**3.4 Building Construction - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2002	1.3421	1.0723	1.7000e-003		0.0816	0.0816		0.0788	0.0788	0.0000	142.1192	142.1192	0.0285	0.0000	142.7184
<b>Total</b>	<b>0.2002</b>	<b>1.3421</b>	<b>1.0723</b>	<b>1.7000e-003</b>		<b>0.0816</b>	<b>0.0816</b>		<b>0.0788</b>	<b>0.0788</b>	<b>0.0000</b>	<b>142.1192</b>	<b>142.1192</b>	<b>0.0285</b>	<b>0.0000</b>	<b>142.7184</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	0.0185	0.1840	0.2593	5.3000e-004	0.0147	2.7700e-003	0.0175	4.2100e-003	2.5500e-003	6.7500e-003	0.0000	46.2881	46.2881	3.4000e-004	0.0000	46.2953
Worker	0.0199	0.0296	0.3078	7.9000e-004	0.0620	5.5000e-004	0.0626	0.0165	5.1000e-004	0.0170	0.0000	56.0935	56.0935	2.9500e-003	0.0000	56.1554
<b>Total</b>	<b>0.0384</b>	<b>0.2137</b>	<b>0.5672</b>	<b>1.3200e-003</b>	<b>0.0767</b>	<b>3.3200e-003</b>	<b>0.0801</b>	<b>0.0207</b>	<b>3.0600e-003</b>	<b>0.0237</b>	<b>0.0000</b>	<b>102.3816</b>	<b>102.3816</b>	<b>3.2900e-003</b>	<b>0.0000</b>	<b>102.4507</b>

**3.4 Building Construction - 2018****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	0.2002	1.3421	1.0723	1.7000e-003		0.0816	0.0816		0.0788	0.0788	0.0000	142.1190	142.1190	0.0285	0.0000	142.7183
<b>Total</b>	<b>0.2002</b>	<b>1.3421</b>	<b>1.0723</b>	<b>1.7000e-003</b>		<b>0.0816</b>	<b>0.0816</b>		<b>0.0788</b>	<b>0.0788</b>	<b>0.0000</b>	<b>142.1190</b>	<b>142.1190</b>	<b>0.0285</b>	<b>0.0000</b>	<b>142.7183</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	0.0185	0.1840	0.2593	5.3000e-004	0.0147	2.7700e-003	0.0175	4.2100e-003	2.5500e-003	6.7500e-003	0.0000	46.2881	46.2881	3.4000e-004	0.0000	46.2953
Worker	0.0199	0.0296	0.3078	7.9000e-004	0.0620	5.5000e-004	0.0626	0.0165	5.1000e-004	0.0170	0.0000	56.0935	56.0935	2.9500e-003	0.0000	56.1554
<b>Total</b>	<b>0.0384</b>	<b>0.2137</b>	<b>0.5672</b>	<b>1.3200e-003</b>	<b>0.0767</b>	<b>3.3200e-003</b>	<b>0.0801</b>	<b>0.0207</b>	<b>3.0600e-003</b>	<b>0.0237</b>	<b>0.0000</b>	<b>102.3816</b>	<b>102.3816</b>	<b>3.2900e-003</b>	<b>0.0000</b>	<b>102.4507</b>

**3.5 Architectural Coating - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0276	0.1855	0.1715	2.7000e-004		0.0139	0.0139		0.0139	0.0139	0.0000	23.6176	23.6176	2.2400e-003	0.0000	23.6648
<b>Total</b>	<b>0.4366</b>	<b>0.1855</b>	<b>0.1715</b>	<b>2.7000e-004</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>	<b>0.0000</b>	<b>23.6176</b>	<b>23.6176</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>23.6648</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	4.8700e-003	7.2700e-003	0.0755	1.9000e-004	0.0152	1.4000e-004	0.0153	4.0400e-003	1.3000e-004	4.1600e-003	0.0000	13.7569	13.7569	7.2000e-004	0.0000	13.7721
<b>Total</b>	<b>4.8700e-003</b>	<b>7.2700e-003</b>	<b>0.0755</b>	<b>1.9000e-004</b>	<b>0.0152</b>	<b>1.4000e-004</b>	<b>0.0153</b>	<b>4.0400e-003</b>	<b>1.3000e-004</b>	<b>4.1600e-003</b>	<b>0.0000</b>	<b>13.7569</b>	<b>13.7569</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>13.7721</b>

### 3.5 Architectural Coating - 2018

#### 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	0.4089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0276	0.1855	0.1715	2.7000e-004		0.0139	0.0139		0.0139	0.0139	0.0000	23.6176	23.6176	2.2400e-003	0.0000	23.6647
<b>Total</b>	<b>0.4366</b>	<b>0.1855</b>	<b>0.1715</b>	<b>2.7000e-004</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>	<b>0.0000</b>	<b>23.6176</b>	<b>23.6176</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>23.6647</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	4.8700e-003	7.2700e-003	0.0755	1.9000e-004	0.0152	1.4000e-004	0.0153	4.0400e-003	1.3000e-004	4.1600e-003	0.0000	13.7569	13.7569	7.2000e-004	0.0000	13.7721
<b>Total</b>	<b>4.8700e-003</b>	<b>7.2700e-003</b>	<b>0.0755</b>	<b>1.9000e-004</b>	<b>0.0152</b>	<b>1.4000e-004</b>	<b>0.0153</b>	<b>4.0400e-003</b>	<b>1.3000e-004</b>	<b>4.1600e-003</b>	<b>0.0000</b>	<b>13.7569</b>	<b>13.7569</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>13.7721</b>

### 3.5 Architectural Coating - 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					
Archit. Coating	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5347
<b>Total</b>	<b>0.0281</b>	<b>0.0110</b>	<b>0.0111</b>	<b>2.0000e-005</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>1.5320</b>	<b>1.5320</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.5347</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	2.9000e-004	4.3000e-004	4.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8573	0.8573	4.0000e-005	0.0000	0.8583
<b>Total</b>	<b>2.9000e-004</b>	<b>4.3000e-004</b>	<b>4.4900e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8573</b>	<b>0.8573</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8583</b>

### 3.5 Architectural Coating - 2019

#### 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	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5347
<b>Total</b>	<b>0.0281</b>	<b>0.0110</b>	<b>0.0111</b>	<b>2.0000e-005</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>1.5320</b>	<b>1.5320</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.5347</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	2.9000e-004	4.3000e-004	4.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8573	0.8573	4.0000e-005	0.0000	0.8583
<b>Total</b>	<b>2.9000e-004</b>	<b>4.3000e-004</b>	<b>4.4900e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8573</b>	<b>0.8573</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8583</b>



### 3.6 Paving - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0427	0.4381	0.3770	5.7000e-004		0.0256	0.0256		0.0236	0.0236	0.0000	51.1466	51.1466	0.0156	0.0000	51.4746
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0427</b>	<b>0.4381</b>	<b>0.3770</b>	<b>5.7000e-004</b>		<b>0.0256</b>	<b>0.0256</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.1466</b>	<b>51.1466</b>	<b>0.0156</b>	<b>0.0000</b>	<b>51.4746</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	1.9400e-003	2.8900e-003	0.0301	8.0000e-005	6.0500e-003	5.0000e-005	6.1100e-003	1.6100e-003	5.0000e-005	1.6600e-003	0.0000	5.4780	5.4780	2.9000e-004	0.0000	5.4840
<b>Total</b>	<b>1.9400e-003</b>	<b>2.8900e-003</b>	<b>0.0301</b>	<b>8.0000e-005</b>	<b>6.0500e-003</b>	<b>5.0000e-005</b>	<b>6.1100e-003</b>	<b>1.6100e-003</b>	<b>5.0000e-005</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.4780</b>	<b>5.4780</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.4840</b>

### 3.6 Paving - 2018

#### 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	0.0427	0.4381	0.3770	5.7000e-004		0.0256	0.0256		0.0236	0.0236	0.0000	51.1465	51.1465	0.0156	0.0000	51.4745
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0427</b>	<b>0.4381</b>	<b>0.3770</b>	<b>5.7000e-004</b>		<b>0.0256</b>	<b>0.0256</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.1465</b>	<b>51.1465</b>	<b>0.0156</b>	<b>0.0000</b>	<b>51.4745</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	1.9400e-003	2.8900e-003	0.0301	8.0000e-005	6.0500e-003	5.0000e-005	6.1100e-003	1.6100e-003	5.0000e-005	1.6600e-003	0.0000	5.4780	5.4780	2.9000e-004	0.0000	5.4840
<b>Total</b>	<b>1.9400e-003</b>	<b>2.8900e-003</b>	<b>0.0301</b>	<b>8.0000e-005</b>	<b>6.0500e-003</b>	<b>5.0000e-005</b>	<b>6.1100e-003</b>	<b>1.6100e-003</b>	<b>5.0000e-005</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.4780</b>	<b>5.4780</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.4840</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	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269
Unmitigated	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	236.84	48.18	19.92	576,332	576,332
General Office Building	433.03	88.09	36.43	1,053,727	1,053,727
<b>Total</b>	<b>669.88</b>	<b>136.28</b>	<b>56.35</b>	<b>1,630,059</b>	<b>1,630,059</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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive 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	508.5407	508.5407	0.0234	4.8400e-003	510.5309
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	508.5407	508.5407	0.0234	4.8400e-003	510.5309
NaturalGas Mitigated	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	29.4272	29.4272	5.6000e-004	5.4000e-004	29.6063
NaturalGas Unmitigated	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	29.4272	29.4272	5.6000e-004	5.4000e-004	29.6063

### 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	194946	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4030	10.4030	2.0000e-004	1.9000e-004	10.4664
General Office Building	356499	1.9200e-003	0.0175	0.0147	1.0000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0241	19.0241	3.6000e-004	3.5000e-004	19.1399
<b>Total</b>		<b>2.9700e-003</b>	<b>0.0270</b>	<b>0.0227</b>	<b>1.6000e-004</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>	<b>0.0000</b>	<b>29.4272</b>	<b>29.4272</b>	<b>5.6000e-004</b>	<b>5.4000e-004</b>	<b>29.6063</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					
General Office Building	194946	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4030	10.4030	2.0000e-004	1.9000e-004	10.4664
General Office Building	356499	1.9200e-003	0.0175	0.0147	1.0000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0241	19.0241	3.6000e-004	3.5000e-004	19.1399
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.9700e-003</b>	<b>0.0270</b>	<b>0.0227</b>	<b>1.6000e-004</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>	<b>0.0000</b>	<b>29.4272</b>	<b>29.4272</b>	<b>5.6000e-004</b>	<b>5.4000e-004</b>	<b>29.6063</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	342392	97.9813	4.5000e-003	9.3000e-004	98.3647
Enclosed Parking with Elevator	536504	153.5297	7.0600e-003	1.4600e-003	154.1305
General Office Building	317523	90.8647	4.1800e-003	8.6000e-004	91.2203
General Office Building	580658	166.1651	7.6400e-003	1.5800e-003	166.8154
<b>Total</b>		<b>508.5407</b>	<b>0.0234</b>	<b>4.8300e-003</b>	<b>510.5309</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	342392	97.9813	4.5000e-003	9.3000e-004	98.3647
Enclosed Parking with Elevator	536504	153.5297	7.0600e-003	1.4600e-003	154.1305
General Office Building	317523	90.8647	4.1800e-003	8.6000e-004	91.2203
General Office Building	580658	166.1651	7.6400e-003	1.5800e-003	166.8154
<b>Total</b>		<b>508.5407</b>	<b>0.0234</b>	<b>4.8300e-003</b>	<b>510.5309</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	0.7230	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Unmitigated	0.8536	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101

## 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	0.1742					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
<b>Total</b>	<b>0.8536</b>	<b>5.0000e-005</b>	<b>4.9300e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.5200e-003</b>	<b>9.5200e-003</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0101</b>



## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
<b>Total</b>	<b>0.7230</b>	<b>5.0000e-005</b>	<b>4.9300e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.5200e-003</b>	<b>9.5200e-003</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0101</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Use Grey Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.3226	0.3347	8.2100e-003	50.8972
Unmitigated	61.2368	0.3357	8.4100e-003	70.8945

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	10.2197 / 6.26368	61.2368	0.3357	8.4100e-003	70.8945
<b>Total</b>		<b>61.2368</b>	<b>0.3357</b>	<b>8.4100e-003</b>	<b>70.8945</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	10.2197 / 0	41.3226	0.3347	8.2100e-003	50.8972
<b>Total</b>		<b>41.3226</b>	<b>0.3347</b>	<b>8.2100e-003</b>	<b>50.8972</b>

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.8560	0.6416	0.0000	24.3289
Unmitigated	10.8560	0.6416	0.0000	24.3289

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	53.48	10.8560	0.6416	0.0000	24.3289
<b>Total</b>		<b>10.8560</b>	<b>0.6416</b>	<b>0.0000</b>	<b>24.3289</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	53.48	10.8560	0.6416	0.0000	24.3289
<b>Total</b>		<b>10.8560</b>	<b>0.6416</b>	<b>0.0000</b>	<b>24.3289</b>

## 9.0 Operational Offroad

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

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**Greenhouse Gas Emission Worksheet**  
**N2O Mobile Emissions**

Skechers Manhattan Site

From CalEEMod:

Annual VMT: 194,157

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	53.1%	0.04	0.02124	0.04	0.02124
Light Truck < 3750 lbs	5.8%	0.05	0.0029	0.06	0.00348
Light Truck 3751-5750 lbs	17.9%	0.05	0.00895	0.06	0.01074
Med Truck 5751-8500 lbs	12.4%	0.12	0.01488	0.2	0.0248
Lite-Heavy Truck 8501-10,000 lbs	3.9%	0.12	0.00468	0.2	0.0078
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.00054	0.125	0.00075
Med-Heavy Truck 14,001-33,000 lbs	1.7%	0.06	0.00102	0.05	0.00085
Heavy-Heavy Truck 33,001-60,000 lbs	3.4%	0.06	0.00204	0.05	0.0017
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.3%	0.06	0.00018	0.05	0.00015
Motorcycle	0.4%	0.09	0.00036	0.01	0.00004
School Bus	0.1%	0.06	0.00003	0.05	0.000025
Motor Home	0.2%	0.09	0.00018	0.125	0.00025
<b>Total</b>	<b>100.0%</b>		<b>0.05712</b>		<b>0.071925</b>

**Total Emissions (metric tons) =**

**Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g**

**Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)**

CH4 21 GWP  
 N2O 310 GWP  
 1 ton (short, US) = 0.90718474 metric ton

**Annual Mobile Emissions:**

	Total Emissions	Total CO2e units
N2O Emissions:	0.0140 metric tons N2O	4.33 metric tons CO2e
<b>Project Total:</b>	<b>4.33 metric tons CO2e</b>	

**References**

- \* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile). in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009. Assume Model year 2000-present, gasoline fueled.
- \*\* Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.