

## **Appendix 2**

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*CalEEMod Results*



**9908 Santa Monica Boulevard**  
**South Coast Air Basin, Annual**

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	74.00	Space	0.00	29,600.00	0
Condo/Townhouse High Rise	27.00	Dwelling Unit	0.83	89,998.00	77

### 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>	2019
<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 - Lot acreage and SF from PD.

Construction Phase - Applicant supplied schedule, start date revised to November 2016.

Grading - From project description

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

Off-road Equipment - Revised per applicant provided equipment details.

Off-road Equipment - Revised per applicant provided equipment

Off-road Equipment - Revised per applicant provided construction equipment.

Trips and VMT - Average of applicant provided worker range

Architectural Coating - Assumed compliance with SCAQMD Rule 1113

Vehicle Trips - Per F&P's Traffic Study

Woodstoves - Assumed compliance with SCAQMD Rule 445

Area Coating - Assumed compliance with SCAQMD Rule 1113

Mobile Land Use Mitigation - 27 units per 0.83 acres; adjacent to commercial, retail, and more; Santa Monica/Wilshire Transit stop.

Area Mitigation - Assumed compliance with SCAQMD Rule 1113.

Energy Mitigation - Project would comply with 2014 Title 24

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblConstructionPhase	NumDays	5.00	131.00
tblConstructionPhase	NumDays	100.00	347.00
tblConstructionPhase	NumDays	2.00	67.00
tblConstructionPhase	PhaseEndDate	12/3/2018	6/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2018	12/1/2017
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	22.95	0.00
tblFireplaces	NumberNoFireplace	2.70	0.00
tblFireplaces	NumberWood	1.35	0.00
tblGrading	AcresOfGrading	0.00	0.83
tblGrading	MaterialExported	0.00	20,500.00
tblLandUse	LandUseSquareFeet	27,000.00	89,998.00
tblLandUse	LotAcreage	0.67	0.00
tblLandUse	LotAcreage	0.42	0.83
tblOffRoadEquipment	HorsePower	89.00	199.00
tblOffRoadEquipment	LoadFactor	0.20	0.36
tblProjectCharacteristics	OperationalYear	2014	2019
tblTripsAndVMT	WorkerTripNumber	20.00	11.00
tblTripsAndVMT	WorkerTripNumber	32.00	25.00
tblTripsAndVMT	WorkerTripNumber	6.00	23.00
tblVehicleTrips	WD_TR	6.59	6.65
tblWoodstoves	NumberCatalytic	1.35	0.00
tblWoodstoves	NumberNoncatalytic	1.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 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					
2016	0.0708	0.8167	0.5380	1.2600e-003	0.0496	0.0348	0.0844	0.0201	0.0326	0.0528	0.0000	115.2526	115.2526	0.0150	0.0000	115.5680
2017	0.3045	2.0598	1.5666	2.7500e-003	0.0876	0.1236	0.2112	0.0302	0.1143	0.1445	0.0000	242.2917	242.2917	0.0488	0.0000	243.3171
2018	0.5682	0.8544	0.7809	1.3600e-003	0.0317	0.0542	0.0859	8.4700e-003	0.0506	0.0591	0.0000	113.9875	113.9875	0.0225	0.0000	114.4609
<b>Total</b>	<b>0.9435</b>	<b>3.7309</b>	<b>2.8855</b>	<b>5.3700e-003</b>	<b>0.1689</b>	<b>0.2126</b>	<b>0.3815</b>	<b>0.0588</b>	<b>0.1975</b>	<b>0.2563</b>	<b>0.0000</b>	<b>471.5318</b>	<b>471.5318</b>	<b>0.0864</b>	<b>0.0000</b>	<b>473.3459</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					
2016	0.0708	0.8167	0.5380	1.2600e-003	0.0348	0.0348	0.0697	0.0124	0.0326	0.0450	0.0000	115.2526	115.2526	0.0150	0.0000	115.5679
2017	0.3045	2.0598	1.5666	2.7500e-003	0.0729	0.1236	0.1965	0.0225	0.1143	0.1367	0.0000	242.2915	242.2915	0.0488	0.0000	243.3169
2018	0.5682	0.8544	0.7809	1.3600e-003	0.0317	0.0542	0.0859	8.4700e-003	0.0506	0.0591	0.0000	113.9874	113.9874	0.0225	0.0000	114.4608
<b>Total</b>	<b>0.9435</b>	<b>3.7309</b>	<b>2.8855</b>	<b>5.3700e-003</b>	<b>0.1394</b>	<b>0.2126</b>	<b>0.3520</b>	<b>0.0433</b>	<b>0.1975</b>	<b>0.2409</b>	<b>0.0000</b>	<b>471.5314</b>	<b>471.5314</b>	<b>0.0864</b>	<b>0.0000</b>	<b>473.3456</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	17.47	0.00	7.73	26.34	0.00	6.04	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	0.5069	3.2500e-003	0.2808	1.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.4567	0.4567	4.5000e-004	0.0000	0.4662
Energy	2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	115.5683	115.5683	4.6500e-003	1.3200e-003	116.0744
Mobile	0.0985	0.3128	1.1663	3.3900e-003	0.2322	4.7000e-003	0.2369	0.0621	4.3400e-003	0.0665	0.0000	246.7539	246.7539	8.9800e-003	0.0000	246.9425
Waste						0.0000	0.0000		0.0000	0.0000	2.5212	0.0000	2.5212	0.1490	0.0000	5.6501
Water						0.0000	0.0000		0.0000	0.0000	0.5581	10.0809	10.6390	0.0578	1.4500e-003	12.3018
<b>Total</b>	<b>0.6079</b>	<b>0.3374</b>	<b>1.4562</b>	<b>3.5400e-003</b>	<b>0.2322</b>	<b>7.9700e-003</b>	<b>0.2402</b>	<b>0.0621</b>	<b>7.6100e-003</b>	<b>0.0697</b>	<b>3.0793</b>	<b>372.8597</b>	<b>375.9390</b>	<b>0.2209</b>	<b>2.7700e-003</b>	<b>381.4349</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	0.4966	3.2500e-003	0.2808	1.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.4567	0.4567	4.5000e-004	0.0000	0.4662
Energy	1.9900e-003	0.0170	7.2400e-003	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003	0.0000	101.7170	101.7170	4.1500e-003	1.1400e-003	102.1579
Mobile	0.0899	0.2435	0.9487	2.5400e-003	0.1725	3.5600e-003	0.1760	0.0462	3.2800e-003	0.0494	0.0000	184.8781	184.8781	6.8400e-003	0.0000	185.0218
Waste						0.0000	0.0000		0.0000	0.0000	2.5212	0.0000	2.5212	0.1490	0.0000	5.6501
Water						0.0000	0.0000		0.0000	0.0000	0.5581	10.0809	10.6390	0.0578	1.4500e-003	12.3009
<b>Total</b>	<b>0.5885</b>	<b>0.2637</b>	<b>1.2368</b>	<b>2.6600e-003</b>	<b>0.1725</b>	<b>6.4800e-003</b>	<b>0.1789</b>	<b>0.0462</b>	<b>6.2000e-003</b>	<b>0.0524</b>	<b>3.0793</b>	<b>297.1327</b>	<b>300.2119</b>	<b>0.2182</b>	<b>2.5900e-003</b>	<b>305.5968</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>3.19</b>	<b>21.84</b>	<b>15.07</b>	<b>24.86</b>	<b>25.72</b>	<b>18.70</b>	<b>25.49</b>	<b>25.72</b>	<b>18.53</b>	<b>24.94</b>	<b>0.00</b>	<b>20.31</b>	<b>20.14</b>	<b>1.20</b>	<b>6.50</b>	<b>19.88</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	Grading	Grading	11/1/2016	2/1/2017	5	67	
2	Building Construction	Building Construction	2/2/2017	6/1/2018	5	347	
3	Architectural Coating	Architectural Coating	12/1/2017	6/1/2018	5	131	

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

**Acres of Grading (Grading Phase): 0.83**

**Acres of Paving: 0**

**Residential Indoor: 182,246; Residential Outdoor: 60,749; Non-Residential Indoor: 44,400; Non-Residential Outdoor: 14,800 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	6.00	205	0.50
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Cranes	1	6.00	226	0.29
Grading	Excavators	1	6.00	162	0.38
Grading	Forklifts	1	1.00	199	0.36
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	6.00	9	0.56
Architectural Coating	Forklifts	1	6.00	89	0.20

**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
Grading	8	11.00	0.00	2,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	25.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

### 3.2 Grading - 2016

#### 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					0.0268	0.0000	0.0268	0.0141	0.0000	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0548	0.5698	0.3389	6.1000e-004		0.0312	0.0312		0.0293	0.0293	0.0000	56.0161	56.0161	0.0145	0.0000	56.3200
<b>Total</b>	<b>0.0548</b>	<b>0.5698</b>	<b>0.3389</b>	<b>6.1000e-004</b>	<b>0.0268</b>	<b>0.0312</b>	<b>0.0580</b>	<b>0.0141</b>	<b>0.0293</b>	<b>0.0434</b>	<b>0.0000</b>	<b>56.0161</b>	<b>56.0161</b>	<b>0.0145</b>	<b>0.0000</b>	<b>56.3200</b>

### 3.2 Grading - 2016

#### 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	0.0151	0.2455	0.1844	6.2000e-004	0.0201	3.6100e-003	0.0237	5.3500e-003	3.3200e-003	8.6700e-003	0.0000	56.7491	56.7491	4.1000e-004	0.0000	56.7577
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	1.4200e-003	0.0148	3.0000e-005	2.6600e-003	2.0000e-005	2.6800e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.4875	2.4875	1.3000e-004	0.0000	2.4903
<b>Total</b>	<b>0.0161</b>	<b>0.2469</b>	<b>0.1992</b>	<b>6.5000e-004</b>	<b>0.0228</b>	<b>3.6300e-003</b>	<b>0.0264</b>	<b>6.0600e-003</b>	<b>3.3400e-003</b>	<b>9.4000e-003</b>	<b>0.0000</b>	<b>59.2366</b>	<b>59.2366</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>59.2480</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					0.0121	0.0000	0.0121	6.3400e-003	0.0000	6.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0548	0.5698	0.3389	6.1000e-004		0.0312	0.0312		0.0293	0.0293	0.0000	56.0160	56.0160	0.0145	0.0000	56.3199
<b>Total</b>	<b>0.0548</b>	<b>0.5698</b>	<b>0.3389</b>	<b>6.1000e-004</b>	<b>0.0121</b>	<b>0.0312</b>	<b>0.0433</b>	<b>6.3400e-003</b>	<b>0.0293</b>	<b>0.0356</b>	<b>0.0000</b>	<b>56.0160</b>	<b>56.0160</b>	<b>0.0145</b>	<b>0.0000</b>	<b>56.3199</b>

**3.2 Grading - 2016****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	0.0151	0.2455	0.1844	6.2000e-004	0.0201	3.6100e-003	0.0237	5.3500e-003	3.3200e-003	8.6700e-003	0.0000	56.7491	56.7491	4.1000e-004	0.0000	56.7577
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	1.4200e-003	0.0148	3.0000e-005	2.6600e-003	2.0000e-005	2.6800e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.4875	2.4875	1.3000e-004	0.0000	2.4903
<b>Total</b>	<b>0.0161</b>	<b>0.2469</b>	<b>0.1992</b>	<b>6.5000e-004</b>	<b>0.0228</b>	<b>3.6300e-003</b>	<b>0.0264</b>	<b>6.0600e-003</b>	<b>3.3400e-003</b>	<b>9.4000e-003</b>	<b>0.0000</b>	<b>59.2366</b>	<b>59.2366</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>59.2480</b>

**3.2 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					0.0268	0.0000	0.0268	0.0141	0.0000	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.2712	0.1730	3.2000e-004		0.0146	0.0146		0.0137	0.0137	0.0000	28.9148	28.9148	7.5100e-003	0.0000	29.0725
<b>Total</b>	<b>0.0262</b>	<b>0.2712</b>	<b>0.1730</b>	<b>3.2000e-004</b>	<b>0.0268</b>	<b>0.0146</b>	<b>0.0414</b>	<b>0.0141</b>	<b>0.0137</b>	<b>0.0278</b>	<b>0.0000</b>	<b>28.9148</b>	<b>28.9148</b>	<b>7.5100e-003</b>	<b>0.0000</b>	<b>29.0725</b>

### 3.2 Grading - 2017

#### 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	7.4400e-003	0.1178	0.0929	3.2000e-004	0.0184	1.7300e-003	0.0202	4.7400e-003	1.5900e-003	6.3300e-003	0.0000	29.1783	29.1783	2.1000e-004	0.0000	29.1827
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	4.5000e-004	6.7000e-004	6.9900e-003	2.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.2504	1.2504	6.0000e-005	0.0000	1.2517
<b>Total</b>	<b>7.8900e-003</b>	<b>0.1184</b>	<b>0.0999</b>	<b>3.4000e-004</b>	<b>0.0198</b>	<b>1.7400e-003</b>	<b>0.0216</b>	<b>5.1100e-003</b>	<b>1.6000e-003</b>	<b>6.7100e-003</b>	<b>0.0000</b>	<b>30.4287</b>	<b>30.4287</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>30.4344</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					0.0121	0.0000	0.0121	6.3400e-003	0.0000	6.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.2712	0.1730	3.2000e-004		0.0146	0.0146		0.0137	0.0137	0.0000	28.9147	28.9147	7.5100e-003	0.0000	29.0724
<b>Total</b>	<b>0.0262</b>	<b>0.2712</b>	<b>0.1730</b>	<b>3.2000e-004</b>	<b>0.0121</b>	<b>0.0146</b>	<b>0.0267</b>	<b>6.3400e-003</b>	<b>0.0137</b>	<b>0.0201</b>	<b>0.0000</b>	<b>28.9147</b>	<b>28.9147</b>	<b>7.5100e-003</b>	<b>0.0000</b>	<b>29.0724</b>

### 3.2 Grading - 2017

#### 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	7.4400e-003	0.1178	0.0929	3.2000e-004	0.0184	1.7300e-003	0.0202	4.7400e-003	1.5900e-003	6.3300e-003	0.0000	29.1783	29.1783	2.1000e-004	0.0000	29.1827
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	4.5000e-004	6.7000e-004	6.9900e-003	2.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.2504	1.2504	6.0000e-005	0.0000	1.2517
<b>Total</b>	<b>7.8900e-003</b>	<b>0.1184</b>	<b>0.0999</b>	<b>3.4000e-004</b>	<b>0.0198</b>	<b>1.7400e-003</b>	<b>0.0216</b>	<b>5.1100e-003</b>	<b>1.6000e-003</b>	<b>6.7100e-003</b>	<b>0.0000</b>	<b>30.4287</b>	<b>30.4287</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>30.4344</b>

### 3.3 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	0.1562	1.5346	0.9801	1.4100e-003		0.1027	0.1027		0.0946	0.0946	0.0000	128.7241	128.7241	0.0386	0.0000	129.5351
<b>Total</b>	<b>0.1562</b>	<b>1.5346</b>	<b>0.9801</b>	<b>1.4100e-003</b>		<b>0.1027</b>	<b>0.1027</b>		<b>0.0946</b>	<b>0.0946</b>	<b>0.0000</b>	<b>128.7241</b>	<b>128.7241</b>	<b>0.0386</b>	<b>0.0000</b>	<b>129.5351</b>

### 3.3 Building Construction - 2017

#### 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	7.7100e-003	0.0783	0.1047	2.1000e-004	5.8300e-003	1.2000e-003	7.0300e-003	1.6700e-003	1.1000e-003	2.7700e-003	0.0000	18.3965	18.3965	1.3000e-004	0.0000	18.3993
Worker	0.0106	0.0158	0.1637	4.0000e-004	0.0325	2.7000e-004	0.0328	8.6300e-003	2.5000e-004	8.8800e-003	0.0000	29.2824	29.2824	1.5100e-003	0.0000	29.3142
<b>Total</b>	<b>0.0184</b>	<b>0.0941</b>	<b>0.2684</b>	<b>6.1000e-004</b>	<b>0.0383</b>	<b>1.4700e-003</b>	<b>0.0398</b>	<b>0.0103</b>	<b>1.3500e-003</b>	<b>0.0117</b>	<b>0.0000</b>	<b>47.6789</b>	<b>47.6789</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>47.7135</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	0.1562	1.5346	0.9801	1.4100e-003		0.1027	0.1027		0.0946	0.0946	0.0000	128.7240	128.7240	0.0386	0.0000	129.5349
<b>Total</b>	<b>0.1562</b>	<b>1.5346</b>	<b>0.9801</b>	<b>1.4100e-003</b>		<b>0.1027</b>	<b>0.1027</b>		<b>0.0946</b>	<b>0.0946</b>	<b>0.0000</b>	<b>128.7240</b>	<b>128.7240</b>	<b>0.0386</b>	<b>0.0000</b>	<b>129.5349</b>

### 3.3 Building Construction - 2017

#### 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	7.7100e-003	0.0783	0.1047	2.1000e-004	5.8300e-003	1.2000e-003	7.0300e-003	1.6700e-003	1.1000e-003	2.7700e-003	0.0000	18.3965	18.3965	1.3000e-004	0.0000	18.3993
Worker	0.0106	0.0158	0.1637	4.0000e-004	0.0325	2.7000e-004	0.0328	8.6300e-003	2.5000e-004	8.8800e-003	0.0000	29.2824	29.2824	1.5100e-003	0.0000	29.3142
<b>Total</b>	<b>0.0184</b>	<b>0.0941</b>	<b>0.2684</b>	<b>6.1000e-004</b>	<b>0.0383</b>	<b>1.4700e-003</b>	<b>0.0398</b>	<b>0.0103</b>	<b>1.3500e-003</b>	<b>0.0117</b>	<b>0.0000</b>	<b>47.6789</b>	<b>47.6789</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>47.7135</b>

### 3.3 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	0.0618	0.6179	0.4375	6.5000e-004		0.0394	0.0394		0.0363	0.0363	0.0000	58.7833	58.7833	0.0179	0.0000	59.1594
<b>Total</b>	<b>0.0618</b>	<b>0.6179</b>	<b>0.4375</b>	<b>6.5000e-004</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0363</b>	<b>0.0363</b>	<b>0.0000</b>	<b>58.7833</b>	<b>58.7833</b>	<b>0.0179</b>	<b>0.0000</b>	<b>59.1594</b>

### 3.3 Building Construction - 2018

#### 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	3.3500e-003	0.0334	0.0466	1.0000e-004	2.7100e-003	5.2000e-004	3.2300e-003	7.7000e-004	4.8000e-004	1.2500e-003	0.0000	8.3952	8.3952	6.0000e-005	0.0000	8.3965
Worker	4.4400e-003	6.6300e-003	0.0688	1.9000e-004	0.0151	1.2000e-004	0.0152	4.0100e-003	1.1000e-004	4.1200e-003	0.0000	13.0837	13.0837	6.5000e-004	0.0000	13.0974
<b>Total</b>	<b>7.7900e-003</b>	<b>0.0400</b>	<b>0.1154</b>	<b>2.9000e-004</b>	<b>0.0178</b>	<b>6.4000e-004</b>	<b>0.0184</b>	<b>4.7800e-003</b>	<b>5.9000e-004</b>	<b>5.3700e-003</b>	<b>0.0000</b>	<b>21.4789</b>	<b>21.4789</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>21.4939</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	0.0618	0.6179	0.4375	6.5000e-004		0.0394	0.0394		0.0363	0.0363	0.0000	58.7832	58.7832	0.0179	0.0000	59.1593
<b>Total</b>	<b>0.0618</b>	<b>0.6179</b>	<b>0.4375</b>	<b>6.5000e-004</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0363</b>	<b>0.0363</b>	<b>0.0000</b>	<b>58.7832</b>	<b>58.7832</b>	<b>0.0179</b>	<b>0.0000</b>	<b>59.1593</b>



### 3.3 Building Construction - 2018

#### 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	3.3500e-003	0.0334	0.0466	1.0000e-004	2.7100e-003	5.2000e-004	3.2300e-003	7.7000e-004	4.8000e-004	1.2500e-003	0.0000	8.3952	8.3952	6.0000e-005	0.0000	8.3965
Worker	4.4400e-003	6.6300e-003	0.0688	1.9000e-004	0.0151	1.2000e-004	0.0152	4.0100e-003	1.1000e-004	4.1200e-003	0.0000	13.0837	13.0837	6.5000e-004	0.0000	13.0974
<b>Total</b>	<b>7.7900e-003</b>	<b>0.0400</b>	<b>0.1154</b>	<b>2.9000e-004</b>	<b>0.0178</b>	<b>6.4000e-004</b>	<b>0.0184</b>	<b>4.7800e-003</b>	<b>5.9000e-004</b>	<b>5.3700e-003</b>	<b>0.0000</b>	<b>21.4789</b>	<b>21.4789</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>21.4939</b>

### 3.4 Architectural Coating - 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					
Archit. Coating	0.0894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6100e-003	0.0402	0.0319	5.0000e-005		3.1200e-003	3.1200e-003		3.0300e-003	3.0300e-003	0.0000	4.1581	4.1581	6.6000e-004	0.0000	4.1720
<b>Total</b>	<b>0.0950</b>	<b>0.0402</b>	<b>0.0319</b>	<b>5.0000e-005</b>		<b>3.1200e-003</b>	<b>3.1200e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>4.1581</b>	<b>4.1581</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>4.1720</b>

### 3.4 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-004	1.2800e-003	0.0134	3.0000e-005	2.6500e-003	2.0000e-005	2.6700e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.3871	2.3871	1.2000e-004	0.0000	2.3897
<b>Total</b>	<b>8.7000e-004</b>	<b>1.2800e-003</b>	<b>0.0134</b>	<b>3.0000e-005</b>	<b>2.6500e-003</b>	<b>2.0000e-005</b>	<b>2.6700e-003</b>	<b>7.0000e-004</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>2.3871</b>	<b>2.3871</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.3897</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	0.0894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6100e-003	0.0402	0.0319	5.0000e-005		3.1200e-003	3.1200e-003		3.0300e-003	3.0300e-003	0.0000	4.1581	4.1581	6.6000e-004	0.0000	4.1720
<b>Total</b>	<b>0.0950</b>	<b>0.0402</b>	<b>0.0319</b>	<b>5.0000e-005</b>		<b>3.1200e-003</b>	<b>3.1200e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>4.1581</b>	<b>4.1581</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>4.1720</b>

### 3.4 Architectural Coating - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-004	1.2800e-003	0.0134	3.0000e-005	2.6500e-003	2.0000e-005	2.6700e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.3871	2.3871	1.2000e-004	0.0000	2.3897
<b>Total</b>	<b>8.7000e-004</b>	<b>1.2800e-003</b>	<b>0.0134</b>	<b>3.0000e-005</b>	<b>2.6500e-003</b>	<b>2.0000e-005</b>	<b>2.6700e-003</b>	<b>7.0000e-004</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>2.3871</b>	<b>2.3871</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.3897</b>

### 3.4 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	0.4684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.1905	0.1647	2.6000e-004		0.0141	0.0141		0.0137	0.0137	0.0000	21.6883	21.6883	3.3200e-003	0.0000	21.7580
<b>Total</b>	<b>0.4946</b>	<b>0.1905</b>	<b>0.1647</b>	<b>2.6000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0137</b>	<b>0.0137</b>	<b>0.0000</b>	<b>21.6883</b>	<b>21.6883</b>	<b>3.3200e-003</b>	<b>0.0000</b>	<b>21.7580</b>

### 3.4 Architectural Coating - 2018

#### 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	4.0800e-003	6.1000e-003	0.0633	1.7000e-004	0.0139	1.1000e-004	0.0140	3.6900e-003	1.0000e-004	3.7900e-003	0.0000	12.0370	12.0370	6.0000e-004	0.0000	12.0496
<b>Total</b>	<b>4.0800e-003</b>	<b>6.1000e-003</b>	<b>0.0633</b>	<b>1.7000e-004</b>	<b>0.0139</b>	<b>1.1000e-004</b>	<b>0.0140</b>	<b>3.6900e-003</b>	<b>1.0000e-004</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>12.0370</b>	<b>12.0370</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>12.0496</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	0.4684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.1905	0.1647	2.6000e-004		0.0141	0.0141		0.0137	0.0137	0.0000	21.6882	21.6882	3.3200e-003	0.0000	21.7580
<b>Total</b>	<b>0.4946</b>	<b>0.1905</b>	<b>0.1647</b>	<b>2.6000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0137</b>	<b>0.0137</b>	<b>0.0000</b>	<b>21.6882</b>	<b>21.6882</b>	<b>3.3200e-003</b>	<b>0.0000</b>	<b>21.7580</b>

### 3.4 Architectural Coating - 2018

#### 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	4.0800e-003	6.1000e-003	0.0633	1.7000e-004	0.0139	1.1000e-004	0.0140	3.6900e-003	1.0000e-004	3.7900e-003	0.0000	12.0370	12.0370	6.0000e-004	0.0000	12.0496
<b>Total</b>	<b>4.0800e-003</b>	<b>6.1000e-003</b>	<b>0.0633</b>	<b>1.7000e-004</b>	<b>0.0139</b>	<b>1.1000e-004</b>	<b>0.0140</b>	<b>3.6900e-003</b>	<b>1.0000e-004</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>12.0370</b>	<b>12.0370</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>12.0496</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0899	0.2435	0.9487	2.5400e-003	0.1725	3.5600e-003	0.1760	0.0462	3.2800e-003	0.0494	0.0000	184.8781	184.8781	6.8400e-003	0.0000	185.0218
Unmitigated	0.0985	0.3128	1.1663	3.3900e-003	0.2322	4.7000e-003	0.2369	0.0621	4.3400e-003	0.0665	0.0000	246.7539	246.7539	8.9800e-003	0.0000	246.9425

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	179.55	193.32	163.89	612,627	455,045
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>179.55</b>	<b>193.32</b>	<b>163.89</b>	<b>612,627</b>	<b>455,045</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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	82.0113	82.0113	3.7700e-003	7.8000e-004	82.3322
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	90.7571	90.7571	4.1700e-003	8.6000e-004	91.1122
NaturalGas Mitigated	1.9900e-003	0.0170	7.2400e-003	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003	0.0000	19.7058	19.7058	3.8000e-004	3.6000e-004	19.8257
NaturalGas Unmitigated	2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.8112	24.8112	4.8000e-004	4.5000e-004	24.9622

### 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					
Condo/Townhouse High Rise	464944	2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.8112	24.8112	4.8000e-004	4.5000e-004	24.9622
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>2.5100e-003</b>	<b>0.0214</b>	<b>9.1200e-003</b>	<b>1.4000e-004</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>24.8112</b>	<b>24.8112</b>	<b>4.8000e-004</b>	<b>4.5000e-004</b>	<b>24.9622</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Condo/Townhouse High Rise	369272	1.9900e-003	0.0170	7.2400e-003	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003	0.0000	19.7058	19.7058	3.8000e-004	3.6000e-004	19.8257
<b>Total</b>		<b>1.9900e-003</b>	<b>0.0170</b>	<b>7.2400e-003</b>	<b>1.1000e-004</b>		<b>1.3800e-003</b>	<b>1.3800e-003</b>		<b>1.3800e-003</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>19.7058</b>	<b>19.7058</b>	<b>3.8000e-004</b>	<b>3.6000e-004</b>	<b>19.8257</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse High Rise	117643	33.6656	1.5500e-003	3.2000e-004	33.7974
Enclosed Parking with Elevator	199504	57.0914	2.6200e-003	5.4000e-004	57.3149
<b>Total</b>		<b>90.7571</b>	<b>4.1700e-003</b>	<b>8.6000e-004</b>	<b>91.1122</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse High Rise	116089	33.2209	1.5300e-003	3.2000e-004	33.3510
Enclosed Parking with Elevator	170496	48.7903	2.2400e-003	4.6000e-004	48.9813
<b>Total</b>		<b>82.0113</b>	<b>3.7700e-003</b>	<b>7.8000e-004</b>	<b>82.3322</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	0.4966	3.2500e-003	0.2808	1.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.4567	0.4567	4.5000e-004	0.0000	0.4662
Unmitigated	0.5069	3.2500e-003	0.2808	1.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.4567	0.4567	4.5000e-004	0.0000	0.4662

## 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	0.0661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4322					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.6600e-003	3.2500e-003	0.2808	1.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.4567	0.4567	4.5000e-004	0.0000	0.4662
<b>Total</b>	<b>0.5069</b>	<b>3.2500e-003</b>	<b>0.2808</b>	<b>1.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>0.4567</b>	<b>0.4567</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.4662</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	0.0558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4322					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.6600e-003	3.2500e-003	0.2808	1.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.4567	0.4567	4.5000e-004	0.0000	0.4662
<b>Total</b>	<b>0.4966</b>	<b>3.2500e-003</b>	<b>0.2808</b>	<b>1.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>0.4567</b>	<b>0.4567</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.4662</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.6390	0.0578	1.4500e-003	12.3009
Unmitigated	10.6390	0.0578	1.4500e-003	12.3018

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	1.75916 / 1.10903	10.6390	0.0578	1.4500e-003	12.3018
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.6390</b>	<b>0.0578</b>	<b>1.4500e-003</b>	<b>12.3018</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	1.75916 / 1.10903	10.6390	0.0578	1.4500e-003	12.3009
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.6390</b>	<b>0.0578</b>	<b>1.4500e-003</b>	<b>12.3009</b>

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.5212	0.1490	0.0000	5.6501
Unmitigated	2.5212	0.1490	0.0000	5.6501

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	12.42	2.5212	0.1490	0.0000	5.6501
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.5212</b>	<b>0.1490</b>	<b>0.0000</b>	<b>5.6501</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	12.42	2.5212	0.1490	0.0000	5.6501
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.5212</b>	<b>0.1490</b>	<b>0.0000</b>	<b>5.6501</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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**9908 Santa Monica Boulevard**  
**South Coast Air Basin, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	74.00	Space	0.00	29,600.00	0
Condo/Townhouse High Rise	27.00	Dwelling Unit	0.83	89,998.00	77

**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>	2019
<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 - Lot acreage and SF from PD.

Construction Phase - Applicant supplied schedule, start date revised to November 2016.

Grading - From project description

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

Off-road Equipment - Revised per applicant provided equipment details.

Off-road Equipment - Revised per applicant provided equipment

Off-road Equipment - Revised per applicant provided construction equipment.

Trips and VMT - Average of applicant provided worker range

Architectural Coating - Assumed compliance with SCAQMD Rule 1113

Vehicle Trips - Per F&P's Traffic Study

Woodstoves - Assumed compliance with SCAQMD Rule 445

Area Coating - Assumed compliance with SCAQMD Rule 1113

Mobile Land Use Mitigation - 27 units per 0.83 acres; adjacent to commercial, retail, and more; Santa Monica/Wilshire Transit stop.

Area Mitigation - Assumed compliance with SCAQMD Rule 1113.

Energy Mitigation - Project would comply with 2014 Title 24

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblConstructionPhase	NumDays	5.00	131.00
tblConstructionPhase	NumDays	100.00	347.00
tblConstructionPhase	NumDays	2.00	67.00
tblConstructionPhase	PhaseEndDate	12/3/2018	6/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2018	12/1/2017
tblFireplaces	FireplaceDayYear	25.00	0.00



tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	22.95	0.00
tblFireplaces	NumberNoFireplace	2.70	0.00
tblFireplaces	NumberWood	1.35	0.00
tblGrading	AcresOfGrading	0.00	0.83
tblGrading	MaterialExported	0.00	20,500.00
tblLandUse	LandUseSquareFeet	27,000.00	89,998.00
tblLandUse	LotAcreage	0.67	0.00
tblLandUse	LotAcreage	0.42	0.83
tblOffRoadEquipment	HorsePower	89.00	199.00
tblOffRoadEquipment	LoadFactor	0.20	0.36
tblProjectCharacteristics	OperationalYear	2014	2019
tblTripsAndVMT	WorkerTripNumber	20.00	11.00
tblTripsAndVMT	WorkerTripNumber	32.00	25.00
tblTripsAndVMT	WorkerTripNumber	6.00	23.00
tblVehicleTrips	WD_TR	6.59	6.65
tblWoodstoves	NumberCatalytic	1.35	0.00
tblWoodstoves	NumberNoncatalytic	1.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 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					
2016	3.1947	36.5431	23.5593	0.0574	1.8542	1.5823	3.4365	0.7004	1.4834	2.1838	0.0000	5,783.7966	5,783.7966	0.7523	0.0000	5,799.5948
2017	10.6089	33.3532	22.8258	0.0573	2.5575	1.4210	3.9785	0.8730	1.3318	2.2049	0.0000	5,697.0436	5,697.0436	0.7459	0.0000	5,712.7084
2018	10.3338	15.4823	14.2243	0.0250	0.5865	0.9857	1.5723	0.1565	0.9207	1.0772	0.0000	2,310.3804	2,310.3804	0.4518	0.0000	2,319.8675
<b>Total</b>	<b>24.1374</b>	<b>85.3786</b>	<b>60.6094</b>	<b>0.1397</b>	<b>4.9982</b>	<b>3.9889</b>	<b>8.9872</b>	<b>1.7300</b>	<b>3.7359</b>	<b>5.4659</b>	<b>0.0000</b>	<b>13,791.2206</b>	<b>13,791.2206</b>	<b>1.9500</b>	<b>0.0000</b>	<b>13,832.1707</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					
2016	3.1947	36.5431	23.5593	0.0574	1.4139	1.5823	2.9962	0.4692	1.4834	1.9526	0.0000	5,783.7966	5,783.7966	0.7523	0.0000	5,799.5948
2017	10.6089	33.3532	22.8258	0.0573	2.1172	1.4210	3.5382	0.6418	1.3318	1.9736	0.0000	5,697.0436	5,697.0436	0.7459	0.0000	5,712.7084
2018	10.3338	15.4823	14.2243	0.0250	0.5865	0.9857	1.5723	0.1565	0.9207	1.0772	0.0000	2,310.3804	2,310.3804	0.4518	0.0000	2,319.8675
<b>Total</b>	<b>24.1374</b>	<b>85.3786</b>	<b>60.6094</b>	<b>0.1397</b>	<b>4.1177</b>	<b>3.9889</b>	<b>8.1066</b>	<b>1.2675</b>	<b>3.7359</b>	<b>5.0034</b>	<b>0.0000</b>	<b>13,791.2206</b>	<b>13,791.2206</b>	<b>1.9500</b>	<b>0.0000</b>	<b>13,832.1707</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	17.62	0.00	9.80	26.73	0.00	8.46	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	2.7993	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107
Energy	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8612	149.8612	2.8700e-003	2.7500e-003	150.7732
Mobile	0.5959	1.7294	6.9641	0.0209	1.4011	0.0279	1.4290	0.3744	0.0257	0.4001		1,674.2555	1,674.2555	0.0587		1,675.4880
<b>Total</b>	<b>3.4090</b>	<b>1.8728</b>	<b>9.2603</b>	<b>0.0218</b>	<b>1.4011</b>	<b>0.0496</b>	<b>1.4508</b>	<b>0.3744</b>	<b>0.0475</b>	<b>0.4218</b>	<b>0.0000</b>	<b>1,828.1438</b>	<b>1,828.1438</b>	<b>0.0655</b>	<b>2.7500e-003</b>	<b>1,830.3719</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	2.7429	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107
Energy	0.0109	0.0932	0.0397	6.0000e-004		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003		119.0242	119.0242	2.2800e-003	2.1800e-003	119.7485
Mobile	0.5439	1.3494	5.5627	0.0157	1.0407	0.0211	1.0618	0.2781	0.0194	0.2975		1,254.2113	1,254.2113	0.0447		1,255.1507
<b>Total</b>	<b>3.2977</b>	<b>1.4687</b>	<b>7.8486</b>	<b>0.0164</b>	<b>1.0407</b>	<b>0.0409</b>	<b>1.0816</b>	<b>0.2781</b>	<b>0.0393</b>	<b>0.3174</b>	<b>0.0000</b>	<b>1,377.2626</b>	<b>1,377.2626</b>	<b>0.0510</b>	<b>2.1800e-003</b>	<b>1,379.0100</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	3.26	21.58	15.24	24.77	25.72	17.55	25.44	25.72	17.26	24.77	0.00	24.66	24.66	22.20	20.73	24.66

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	11/1/2016	2/1/2017	5	67	
2	Building Construction	Building Construction	2/2/2017	6/1/2018	5	347	
3	Architectural Coating	Architectural Coating	12/1/2017	6/1/2018	5	131	

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

**Acres of Grading (Grading Phase): 0.83**

**Acres of Paving: 0**

**Residential Indoor: 182,246; Residential Outdoor: 60,749; Non-Residential Indoor: 44,400; Non-Residential Outdoor: 14,800 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	6.00	205	0.50
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Cranes	1	6.00	226	0.29
Grading	Excavators	1	6.00	162	0.38
Grading	Forklifts	1	1.00	199	0.36
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	6.00	9	0.56
Architectural Coating	Forklifts	1	6.00	89	0.20

**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
Grading	8	11.00	0.00	2,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	25.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Clean Paved Roads

### 3.2 Grading - 2016

#### 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					0.8005	0.0000	0.8005	0.4204	0.0000	0.4204			0.0000			0.0000
Off-Road	2.4896	25.8984	15.4025	0.0276		1.4174	1.4174		1.3318	1.3318		2,806.6876	2,806.6876	0.7252		2,821.9165
<b>Total</b>	<b>2.4896</b>	<b>25.8984</b>	<b>15.4025</b>	<b>0.0276</b>	<b>0.8005</b>	<b>1.4174</b>	<b>2.2179</b>	<b>0.4204</b>	<b>1.3318</b>	<b>1.7523</b>		<b>2,806.6876</b>	<b>2,806.6876</b>	<b>0.7252</b>		<b>2,821.9165</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	0.6593	10.5874	7.4434	0.0282	0.9308	0.1638	1.0945	0.2474	0.1507	0.3980		2,846.2549	2,846.2549	0.0204		2,846.6833
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	0.0458	0.0573	0.7135	1.5600e-003	0.1230	1.0300e-003	0.1240	0.0326	9.4000e-004	0.0336		130.8541	130.8541	6.7100e-003		130.9950
<b>Total</b>	<b>0.7051</b>	<b>10.6447</b>	<b>8.1569</b>	<b>0.0298</b>	<b>1.0537</b>	<b>0.1648</b>	<b>1.2185</b>	<b>0.2800</b>	<b>0.1516</b>	<b>0.4316</b>		<b>2,977.1090</b>	<b>2,977.1090</b>	<b>0.0271</b>		<b>2,977.6783</b>

### 3.2 Grading - 2016

#### 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					0.3602	0.0000	0.3602	0.1892	0.0000	0.1892			0.0000			0.0000
Off-Road	2.4896	25.8984	15.4025	0.0276		1.4174	1.4174		1.3318	1.3318	0.0000	2,806.6876	2,806.6876	0.7252		2,821.9165
<b>Total</b>	<b>2.4896</b>	<b>25.8984</b>	<b>15.4025</b>	<b>0.0276</b>	<b>0.3602</b>	<b>1.4174</b>	<b>1.7777</b>	<b>0.1892</b>	<b>1.3318</b>	<b>1.5210</b>	<b>0.0000</b>	<b>2,806.6876</b>	<b>2,806.6876</b>	<b>0.7252</b>		<b>2,821.9165</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	0.6593	10.5874	7.4434	0.0282	0.9308	0.1638	1.0945	0.2474	0.1507	0.3980		2,846.2549	2,846.2549	0.0204		2,846.6833
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	0.0458	0.0573	0.7135	1.5600e-003	0.1230	1.0300e-003	0.1240	0.0326	9.4000e-004	0.0336		130.8541	130.8541	6.7100e-003		130.9950
<b>Total</b>	<b>0.7051</b>	<b>10.6447</b>	<b>8.1569</b>	<b>0.0298</b>	<b>1.0537</b>	<b>0.1648</b>	<b>1.2185</b>	<b>0.2800</b>	<b>0.1516</b>	<b>0.4316</b>		<b>2,977.1090</b>	<b>2,977.1090</b>	<b>0.0271</b>		<b>2,977.6783</b>



### 3.2 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					0.8005	0.0000	0.8005	0.4204	0.0000	0.4204			0.0000			0.0000
Off-Road	2.2760	23.5856	15.0402	0.0276		1.2701	1.2701		1.1930	1.1930		2,771.5714	2,771.5714	0.7198		2,786.6863
<b>Total</b>	<b>2.2760</b>	<b>23.5856</b>	<b>15.0402</b>	<b>0.0276</b>	<b>0.8005</b>	<b>1.2701</b>	<b>2.0706</b>	<b>0.4204</b>	<b>1.1930</b>	<b>1.6134</b>		<b>2,771.5714</b>	<b>2,771.5714</b>	<b>0.7198</b>		<b>2,786.6863</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	0.6234	9.7159	7.1398	0.0282	1.6340	0.1499	1.7839	0.4200	0.1379	0.5579		2,799.6259	2,799.6259	0.0200		2,800.0457
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	0.0412	0.0517	0.6457	1.5600e-003	0.1230	9.9000e-004	0.1239	0.0326	9.1000e-004	0.0335		125.8463	125.8463	6.1900e-003		125.9763
<b>Total</b>	<b>0.6646</b>	<b>9.7676</b>	<b>7.7855</b>	<b>0.0298</b>	<b>1.7570</b>	<b>0.1509</b>	<b>1.9079</b>	<b>0.4526</b>	<b>0.1388</b>	<b>0.5914</b>		<b>2,925.4722</b>	<b>2,925.4722</b>	<b>0.0262</b>		<b>2,926.0221</b>

### 3.2 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					0.3602	0.0000	0.3602	0.1892	0.0000	0.1892			0.0000			0.0000
Off-Road	2.2760	23.5856	15.0402	0.0276		1.2701	1.2701		1.1930	1.1930	0.0000	2,771.5714	2,771.5714	0.7198		2,786.6863
<b>Total</b>	<b>2.2760</b>	<b>23.5856</b>	<b>15.0402</b>	<b>0.0276</b>	<b>0.3602</b>	<b>1.2701</b>	<b>1.6303</b>	<b>0.1892</b>	<b>1.1930</b>	<b>1.3822</b>	<b>0.0000</b>	<b>2,771.5714</b>	<b>2,771.5714</b>	<b>0.7198</b>		<b>2,786.6863</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	0.6234	9.7159	7.1398	0.0282	1.6340	0.1499	1.7839	0.4200	0.1379	0.5579		2,799.6259	2,799.6259	0.0200		2,800.0457
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	0.0412	0.0517	0.6457	1.5600e-003	0.1230	9.9000e-004	0.1239	0.0326	9.1000e-004	0.0335		125.8463	125.8463	6.1900e-003		125.9763
<b>Total</b>	<b>0.6646</b>	<b>9.7676</b>	<b>7.7855</b>	<b>0.0298</b>	<b>1.7570</b>	<b>0.1509</b>	<b>1.9079</b>	<b>0.4526</b>	<b>0.1388</b>	<b>0.5914</b>		<b>2,925.4722</b>	<b>2,925.4722</b>	<b>0.0262</b>		<b>2,926.0221</b>

### 3.3 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	1.3181	12.9502	8.2708	0.0119		0.8663	0.8663		0.7979	0.7979		1,197.4183	1,197.4183	0.3592		1,204.9617
<b>Total</b>	<b>1.3181</b>	<b>12.9502</b>	<b>8.2708</b>	<b>0.0119</b>		<b>0.8663</b>	<b>0.8663</b>		<b>0.7979</b>	<b>0.7979</b>		<b>1,197.4183</b>	<b>1,197.4183</b>	<b>0.3592</b>		<b>1,204.9617</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	0.0613	0.6326	0.7505	1.7400e-003	0.0500	0.0101	0.0601	0.0142	9.2600e-003	0.0235		171.7337	171.7337	1.2100e-003		171.7592
Worker	0.0936	0.1175	1.4676	3.5400e-003	0.2794	2.2500e-003	0.2817	0.0741	2.0700e-003	0.0762		286.0144	286.0144	0.0141		286.3099
<b>Total</b>	<b>0.1548</b>	<b>0.7502</b>	<b>2.2181</b>	<b>5.2800e-003</b>	<b>0.3295</b>	<b>0.0123</b>	<b>0.3418</b>	<b>0.0884</b>	<b>0.0113</b>	<b>0.0997</b>		<b>457.7481</b>	<b>457.7481</b>	<b>0.0153</b>		<b>458.0690</b>

### 3.3 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	1.3181	12.9502	8.2708	0.0119		0.8663	0.8663		0.7979	0.7979	0.0000	1,197.4183	1,197.4183	0.3592		1,204.9617
<b>Total</b>	<b>1.3181</b>	<b>12.9502</b>	<b>8.2708</b>	<b>0.0119</b>		<b>0.8663</b>	<b>0.8663</b>		<b>0.7979</b>	<b>0.7979</b>	<b>0.0000</b>	<b>1,197.4183</b>	<b>1,197.4183</b>	<b>0.3592</b>		<b>1,204.9617</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	0.0613	0.6326	0.7505	1.7400e-003	0.0500	0.0101	0.0601	0.0142	9.2600e-003	0.0235		171.7337	171.7337	1.2100e-003		171.7592
Worker	0.0936	0.1175	1.4676	3.5400e-003	0.2794	2.2500e-003	0.2817	0.0741	2.0700e-003	0.0762		286.0144	286.0144	0.0141		286.3099
<b>Total</b>	<b>0.1548</b>	<b>0.7502</b>	<b>2.2181</b>	<b>5.2800e-003</b>	<b>0.3295</b>	<b>0.0123</b>	<b>0.3418</b>	<b>0.0884</b>	<b>0.0113</b>	<b>0.0997</b>		<b>457.7481</b>	<b>457.7481</b>	<b>0.0153</b>		<b>458.0690</b>

**3.3 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	1.1227	11.2339	7.9552	0.0119		0.7164	0.7164		0.6599	0.6599		1,178.1360	1,178.1360	0.3589		1,185.6730
<b>Total</b>	<b>1.1227</b>	<b>11.2339</b>	<b>7.9552</b>	<b>0.0119</b>		<b>0.7164</b>	<b>0.7164</b>		<b>0.6599</b>	<b>0.6599</b>		<b>1,178.1360</b>	<b>1,178.1360</b>	<b>0.3589</b>		<b>1,185.6730</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	0.0575	0.5809	0.7150	1.7400e-003	0.0500	9.4900e-003	0.0595	0.0142	8.7300e-003	0.0230		168.8539	168.8539	1.2000e-003		168.8792
Worker	0.0844	0.1066	1.3335	3.5400e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0200e-003	0.0761		275.3719	275.3719	0.0131		275.6461
<b>Total</b>	<b>0.1418</b>	<b>0.6876</b>	<b>2.0485</b>	<b>5.2800e-003</b>	<b>0.3295</b>	<b>0.0117</b>	<b>0.3411</b>	<b>0.0884</b>	<b>0.0108</b>	<b>0.0991</b>		<b>444.2258</b>	<b>444.2258</b>	<b>0.0143</b>		<b>444.5253</b>

### 3.3 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	1.1227	11.2339	7.9552	0.0119		0.7164	0.7164		0.6599	0.6599	0.0000	1,178.1360	1,178.1360	0.3589		1,185.6730
<b>Total</b>	<b>1.1227</b>	<b>11.2339</b>	<b>7.9552</b>	<b>0.0119</b>		<b>0.7164</b>	<b>0.7164</b>		<b>0.6599</b>	<b>0.6599</b>	<b>0.0000</b>	<b>1,178.1360</b>	<b>1,178.1360</b>	<b>0.3589</b>		<b>1,185.6730</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	0.0575	0.5809	0.7150	1.7400e-003	0.0500	9.4900e-003	0.0595	0.0142	8.7300e-003	0.0230		168.8539	168.8539	1.2000e-003		168.8792
Worker	0.0844	0.1066	1.3335	3.5400e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0200e-003	0.0761		275.3719	275.3719	0.0131		275.6461
<b>Total</b>	<b>0.1418</b>	<b>0.6876</b>	<b>2.0485</b>	<b>5.2800e-003</b>	<b>0.3295</b>	<b>0.0117</b>	<b>0.3411</b>	<b>0.0884</b>	<b>0.0108</b>	<b>0.0991</b>		<b>444.2258</b>	<b>444.2258</b>	<b>0.0143</b>		<b>444.5253</b>

### 3.4 Architectural Coating - 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						
Archit. Coating	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.5346	3.8312	3.0362	4.6500e-003		0.2974	0.2974		0.2883	0.2883		436.5264	436.5264	0.0696			437.9870
<b>Total</b>	<b>9.0500</b>	<b>3.8312</b>	<b>3.0362</b>	<b>4.6500e-003</b>		<b>0.2974</b>	<b>0.2974</b>		<b>0.2883</b>	<b>0.2883</b>		<b>436.5264</b>	<b>436.5264</b>	<b>0.0696</b>			<b>437.9870</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	0.0861	0.1081	1.3502	3.2600e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		263.1332	263.1332	0.0129			263.4051
<b>Total</b>	<b>0.0861</b>	<b>0.1081</b>	<b>1.3502</b>	<b>3.2600e-003</b>	<b>0.2571</b>	<b>2.0700e-003</b>	<b>0.2592</b>	<b>0.0682</b>	<b>1.9100e-003</b>	<b>0.0701</b>		<b>263.1332</b>	<b>263.1332</b>	<b>0.0129</b>			<b>263.4051</b>

### 3.4 Architectural Coating - 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					
Archit. Coating	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5346	3.8312	3.0362	4.6500e-003		0.2974	0.2974		0.2883	0.2883	0.0000	436.5264	436.5264	0.0696		437.9870
<b>Total</b>	<b>9.0500</b>	<b>3.8312</b>	<b>3.0362</b>	<b>4.6500e-003</b>		<b>0.2974</b>	<b>0.2974</b>		<b>0.2883</b>	<b>0.2883</b>	<b>0.0000</b>	<b>436.5264</b>	<b>436.5264</b>	<b>0.0696</b>		<b>437.9870</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	0.0861	0.1081	1.3502	3.2600e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		263.1332	263.1332	0.0129		263.4051
<b>Total</b>	<b>0.0861</b>	<b>0.1081</b>	<b>1.3502</b>	<b>3.2600e-003</b>	<b>0.2571</b>	<b>2.0700e-003</b>	<b>0.2592</b>	<b>0.0682</b>	<b>1.9100e-003</b>	<b>0.0701</b>		<b>263.1332</b>	<b>263.1332</b>	<b>0.0129</b>		<b>263.4051</b>



### 3.4 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	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.4763	3.4628	2.9939	4.6500e-003		0.2557	0.2557		0.2481	0.2481		434.6765	434.6765	0.0666			436.0747
<b>Total</b>	<b>8.9917</b>	<b>3.4628</b>	<b>2.9939</b>	<b>4.6500e-003</b>		<b>0.2557</b>	<b>0.2557</b>		<b>0.2481</b>	<b>0.2481</b>		<b>434.6765</b>	<b>434.6765</b>	<b>0.0666</b>			<b>436.0747</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	0.0776	0.0981	1.2268	3.2500e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8600e-003	0.0700		253.3421	253.3421	0.0120			253.5944
<b>Total</b>	<b>0.0776</b>	<b>0.0981</b>	<b>1.2268</b>	<b>3.2500e-003</b>	<b>0.2571</b>	<b>2.0100e-003</b>	<b>0.2591</b>	<b>0.0682</b>	<b>1.8600e-003</b>	<b>0.0700</b>		<b>253.3421</b>	<b>253.3421</b>	<b>0.0120</b>			<b>253.5944</b>

### 3.4 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	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4763	3.4628	2.9939	4.6500e-003		0.2557	0.2557		0.2481	0.2481	0.0000	434.6765	434.6765	0.0666		436.0747
<b>Total</b>	<b>8.9917</b>	<b>3.4628</b>	<b>2.9939</b>	<b>4.6500e-003</b>		<b>0.2557</b>	<b>0.2557</b>		<b>0.2481</b>	<b>0.2481</b>	<b>0.0000</b>	<b>434.6765</b>	<b>434.6765</b>	<b>0.0666</b>		<b>436.0747</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	0.0776	0.0981	1.2268	3.2500e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8600e-003	0.0700		253.3421	253.3421	0.0120		253.5944
<b>Total</b>	<b>0.0776</b>	<b>0.0981</b>	<b>1.2268</b>	<b>3.2500e-003</b>	<b>0.2571</b>	<b>2.0100e-003</b>	<b>0.2591</b>	<b>0.0682</b>	<b>1.8600e-003</b>	<b>0.0700</b>		<b>253.3421</b>	<b>253.3421</b>	<b>0.0120</b>		<b>253.5944</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5439	1.3494	5.5627	0.0157	1.0407	0.0211	1.0618	0.2781	0.0194	0.2975		1,254.2113	1,254.2113	0.0447		1,255.1507
Unmitigated	0.5959	1.7294	6.9641	0.0209	1.4011	0.0279	1.4290	0.3744	0.0257	0.4001		1,674.2555	1,674.2555	0.0587		1,675.4880

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	179.55	193.32	163.89	612,627	455,045
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>179.55</b>	<b>193.32</b>	<b>163.89</b>	<b>612,627</b>	<b>455,045</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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0109	0.0932	0.0397	6.0000e-004		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003		119.0242	119.0242	2.2800e-003	2.1800e-003	119.7485
NaturalGas Unmitigated	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8612	149.8612	2.8700e-003	2.7500e-003	150.7732

### 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
Condo/Townhouse High Rise	1273.82	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8612	149.8612	2.8700e-003	2.7500e-003	150.7732
<b>Total</b>		<b>0.0137</b>	<b>0.1174</b>	<b>0.0500</b>	<b>7.5000e-004</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>		<b>149.8612</b>	<b>149.8612</b>	<b>2.8700e-003</b>	<b>2.7500e-003</b>	<b>150.7732</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					
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
Condo/Townhouse High Rise	1.01171	0.0109	0.0932	0.0397	6.0000e-004		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003		119.0242	119.0242	2.2800e-003	2.1800e-003	119.7485
<b>Total</b>		<b>0.0109</b>	<b>0.0932</b>	<b>0.0397</b>	<b>6.0000e-004</b>		<b>7.5400e-003</b>	<b>7.5400e-003</b>		<b>7.5400e-003</b>	<b>7.5400e-003</b>		<b>119.0242</b>	<b>119.0242</b>	<b>2.2800e-003</b>	<b>2.1800e-003</b>	<b>119.7485</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	2.7429	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107
Unmitigated	2.7993	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107

## 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	0.3620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0693	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123		4.0271	4.0271	3.9800e-003		4.1107
<b>Total</b>	<b>2.7993</b>	<b>0.0260</b>	<b>2.2462</b>	<b>1.2000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>4.0271</b>	<b>4.0271</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>4.1107</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	0.3056					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0693	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123		4.0271	4.0271	3.9800e-003		4.1107
<b>Total</b>	<b>2.7429</b>	<b>0.0260</b>	<b>2.2462</b>	<b>1.2000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>4.0271</b>	<b>4.0271</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>4.1107</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**9908 Santa Monica Boulevard**  
**South Coast Air Basin, Winter**

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	74.00	Space	0.00	29,600.00	0
Condo/Townhouse High Rise	27.00	Dwelling Unit	0.83	89,998.00	77

### 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>	2019
<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 - Lot acreage and SF from PD.

Construction Phase - Applicant supplied schedule, start date revised to November 2016.

Grading - From project description

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

Off-road Equipment - Revised per applicant provided equipment details.

Off-road Equipment - Revised per applicant provided equipment

Off-road Equipment - Revised per applicant provided construction equipment.

Trips and VMT - Average of applicant provided worker range

Architectural Coating - Assumed compliance with SCAQMD Rule 1113

Vehicle Trips - Per F&P's Traffic Study

Woodstoves - Assumed compliance with SCAQMD Rule 445

Area Coating - Assumed compliance with SCAQMD Rule 1113

Mobile Land Use Mitigation - 27 units per 0.83 acres; adjacent to commercial, retail, and more; Santa Monica/Wilshire Transit stop.

Area Mitigation - Assumed compliance with SCAQMD Rule 1113.

Energy Mitigation - Project would comply with 2014 Title 24

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblConstructionPhase	NumDays	5.00	131.00
tblConstructionPhase	NumDays	100.00	347.00
tblConstructionPhase	NumDays	2.00	67.00
tblConstructionPhase	PhaseEndDate	12/3/2018	6/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2018	12/1/2017
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	22.95	0.00
tblFireplaces	NumberNoFireplace	2.70	0.00
tblFireplaces	NumberWood	1.35	0.00
tblGrading	AcresOfGrading	0.00	0.83
tblGrading	MaterialExported	0.00	20,500.00
tblLandUse	LandUseSquareFeet	27,000.00	89,998.00
tblLandUse	LotAcreage	0.67	0.00
tblLandUse	LotAcreage	0.42	0.83
tblOffRoadEquipment	HorsePower	89.00	199.00
tblOffRoadEquipment	LoadFactor	0.20	0.36
tblProjectCharacteristics	OperationalYear	2014	2019
tblTripsAndVMT	WorkerTripNumber	20.00	11.00
tblTripsAndVMT	WorkerTripNumber	32.00	25.00
tblTripsAndVMT	WorkerTripNumber	6.00	23.00
tblVehicleTrips	WD_TR	6.59	6.65
tblWoodstoves	NumberCatalytic	1.35	0.00
tblWoodstoves	NumberNoncatalytic	1.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 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					
2016	3.2327	36.9321	24.5885	0.0572	1.8542	1.5826	3.4369	0.7004	1.4838	2.1842	0.0000	5,768.909 5	5,768.909 5	0.7526	0.0000	5,784.713 3
2017	10.6182	33.7094	23.8662	0.0572	2.5575	1.4213	3.9788	0.8730	1.3321	2.2052	0.0000	5,682.556 2	5,682.556 2	0.7462	0.0000	5,698.226 7
2018	10.3417	15.5164	14.1640	0.0246	0.5865	0.9858	1.5723	0.1565	0.9207	1.0773	0.0000	2,275.981 8	2,275.981 8	0.4518	0.0000	2,285.469 7
<b>Total</b>	<b>24.1926</b>	<b>86.1579</b>	<b>62.6187</b>	<b>0.1390</b>	<b>4.9982</b>	<b>3.9897</b>	<b>8.9880</b>	<b>1.7300</b>	<b>3.7366</b>	<b>5.4666</b>	<b>0.0000</b>	<b>13,727.44 74</b>	<b>13,727.44 74</b>	<b>1.9506</b>	<b>0.0000</b>	<b>13,768.40 98</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					
2016	3.2327	36.9321	24.5885	0.0572	1.4139	1.5826	2.9966	0.4692	1.4838	1.9529	0.0000	5,768.909 5	5,768.909 5	0.7526	0.0000	5,784.713 3
2017	10.6182	33.7094	23.8662	0.0572	2.1172	1.4213	3.5385	0.6418	1.3321	1.9739	0.0000	5,682.556 2	5,682.556 2	0.7462	0.0000	5,698.226 7
2018	10.3417	15.5164	14.1640	0.0246	0.5865	0.9858	1.5723	0.1565	0.9207	1.0773	0.0000	2,275.981 8	2,275.981 8	0.4518	0.0000	2,285.469 7
<b>Total</b>	<b>24.1926</b>	<b>86.1579</b>	<b>62.6187</b>	<b>0.1390</b>	<b>4.1177</b>	<b>3.9897</b>	<b>8.1074</b>	<b>1.2675</b>	<b>3.7366</b>	<b>5.0041</b>	<b>0.0000</b>	<b>13,727.44 74</b>	<b>13,727.44 74</b>	<b>1.9506</b>	<b>0.0000</b>	<b>13,768.40 98</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	17.62	0.00	9.80	26.73	0.00	8.46	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	2.7993	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107
Energy	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8612	149.8612	2.8700e-003	2.7500e-003	150.7732
Mobile	0.6130	1.8171	6.8410	0.0199	1.4011	0.0280	1.4291	0.3744	0.0258	0.4002		1,594.184 1	1,594.184 1	0.0588		1,595.417 8
<b>Total</b>	<b>3.4260</b>	<b>1.9605</b>	<b>9.1372</b>	<b>0.0207</b>	<b>1.4011</b>	<b>0.0497</b>	<b>1.4509</b>	<b>0.3744</b>	<b>0.0476</b>	<b>0.4219</b>	<b>0.0000</b>	<b>1,748.072 4</b>	<b>1,748.072 4</b>	<b>0.0656</b>	<b>2.7500e-003</b>	<b>1,750.301 7</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	2.7429	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107
Energy	0.0109	0.0932	0.0397	6.0000e-004		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003		119.0242	119.0242	2.2800e-003	2.1800e-003	119.7485
Mobile	0.5628	1.4150	5.5871	0.0149	1.0407	0.0212	1.0619	0.2781	0.0195	0.2976		1,194.298 4	1,194.298 4	0.0448		1,195.239 0
<b>Total</b>	<b>3.3167</b>	<b>1.5343</b>	<b>7.8730</b>	<b>0.0156</b>	<b>1.0407</b>	<b>0.0410</b>	<b>1.0817</b>	<b>0.2781</b>	<b>0.0394</b>	<b>0.3174</b>	<b>0.0000</b>	<b>1,317.349 6</b>	<b>1,317.349 6</b>	<b>0.0511</b>	<b>2.1800e-003</b>	<b>1,319.098 2</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	3.19	21.74	13.84	24.73	25.72	17.53	25.44	25.72	17.22	24.76	0.00	24.64	24.64	22.18	20.73	24.64

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	11/1/2016	2/1/2017	5	67	
2	Building Construction	Building Construction	2/2/2017	6/1/2018	5	347	
3	Architectural Coating	Architectural Coating	12/1/2017	6/1/2018	5	131	

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

**Acres of Grading (Grading Phase): 0.83**

**Acres of Paving: 0**

**Residential Indoor: 182,246; Residential Outdoor: 60,749; Non-Residential Indoor: 44,400; Non-Residential Outdoor: 14,800 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	6.00	205	0.50
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Cranes	1	6.00	226	0.29
Grading	Excavators	1	6.00	162	0.38
Grading	Forklifts	1	1.00	199	0.36
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	6.00	9	0.56
Architectural Coating	Forklifts	1	6.00	89	0.20

**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
Grading	8	11.00	0.00	2,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	25.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Clean Paved Roads

### 3.2 Grading - 2016

#### 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					0.8005	0.0000	0.8005	0.4204	0.0000	0.4204			0.0000			0.0000
Off-Road	2.4896	25.8984	15.4025	0.0276		1.4174	1.4174		1.3318	1.3318		2,806.6876	2,806.6876	0.7252		2,821.9165
<b>Total</b>	<b>2.4896</b>	<b>25.8984</b>	<b>15.4025</b>	<b>0.0276</b>	<b>0.8005</b>	<b>1.4174</b>	<b>2.2179</b>	<b>0.4204</b>	<b>1.3318</b>	<b>1.7523</b>		<b>2,806.6876</b>	<b>2,806.6876</b>	<b>0.7252</b>		<b>2,821.9165</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	0.6963	10.9708	8.5282	0.0282	0.9308	0.1642	1.0949	0.2474	0.1510	0.3984		2,839.4954	2,839.4954	0.0207		2,839.9295
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	0.0468	0.0629	0.6578	1.4600e-003	0.1230	1.0300e-003	0.1240	0.0326	9.4000e-004	0.0336		122.7265	122.7265	6.7100e-003		122.8673
<b>Total</b>	<b>0.7431</b>	<b>11.0337</b>	<b>9.1860</b>	<b>0.0297</b>	<b>1.0537</b>	<b>0.1652</b>	<b>1.2189</b>	<b>0.2800</b>	<b>0.1519</b>	<b>0.4319</b>		<b>2,962.2219</b>	<b>2,962.2219</b>	<b>0.0274</b>		<b>2,962.7969</b>



### 3.2 Grading - 2016

#### 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					0.3602	0.0000	0.3602	0.1892	0.0000	0.1892			0.0000			0.0000
Off-Road	2.4896	25.8984	15.4025	0.0276		1.4174	1.4174		1.3318	1.3318	0.0000	2,806.6876	2,806.6876	0.7252		2,821.9165
<b>Total</b>	<b>2.4896</b>	<b>25.8984</b>	<b>15.4025</b>	<b>0.0276</b>	<b>0.3602</b>	<b>1.4174</b>	<b>1.7777</b>	<b>0.1892</b>	<b>1.3318</b>	<b>1.5210</b>	<b>0.0000</b>	<b>2,806.6876</b>	<b>2,806.6876</b>	<b>0.7252</b>		<b>2,821.9165</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	0.6963	10.9708	8.5282	0.0282	0.9308	0.1642	1.0949	0.2474	0.1510	0.3984		2,839.4954	2,839.4954	0.0207		2,839.9295
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	0.0468	0.0629	0.6578	1.4600e-003	0.1230	1.0300e-003	0.1240	0.0326	9.4000e-004	0.0336		122.7265	122.7265	6.7100e-003		122.8673
<b>Total</b>	<b>0.7431</b>	<b>11.0337</b>	<b>9.1860</b>	<b>0.0297</b>	<b>1.0537</b>	<b>0.1652</b>	<b>1.2189</b>	<b>0.2800</b>	<b>0.1519</b>	<b>0.4319</b>		<b>2,962.2219</b>	<b>2,962.2219</b>	<b>0.0274</b>		<b>2,962.7969</b>

### 3.2 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					0.8005	0.0000	0.8005	0.4204	0.0000	0.4204			0.0000			0.0000
Off-Road	2.2760	23.5856	15.0402	0.0276		1.2701	1.2701		1.1930	1.1930		2,771.5714	2,771.5714	0.7198		2,786.6863
<b>Total</b>	<b>2.2760</b>	<b>23.5856</b>	<b>15.0402</b>	<b>0.0276</b>	<b>0.8005</b>	<b>1.2701</b>	<b>2.0706</b>	<b>0.4204</b>	<b>1.1930</b>	<b>1.6134</b>		<b>2,771.5714</b>	<b>2,771.5714</b>	<b>0.7198</b>		<b>2,786.6863</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	0.6558	10.0670	8.2328	0.0282	1.6340	0.1502	1.7843	0.4200	0.1382	0.5582		2,792.9717	2,792.9717	0.0203		2,793.3974
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	0.0420	0.0568	0.5931	1.4600e-003	0.1230	9.9000e-004	0.1239	0.0326	9.1000e-004	0.0335		118.0131	118.0131	6.1900e-003		118.1431
<b>Total</b>	<b>0.6978</b>	<b>10.1238</b>	<b>8.8259</b>	<b>0.0296</b>	<b>1.7570</b>	<b>0.1512</b>	<b>1.9082</b>	<b>0.4526</b>	<b>0.1391</b>	<b>0.5917</b>		<b>2,910.9848</b>	<b>2,910.9848</b>	<b>0.0265</b>		<b>2,911.5404</b>

### 3.2 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					0.3602	0.0000	0.3602	0.1892	0.0000	0.1892			0.0000			0.0000
Off-Road	2.2760	23.5856	15.0402	0.0276		1.2701	1.2701		1.1930	1.1930	0.0000	2,771.571 4	2,771.571 4	0.7198		2,786.686 3
<b>Total</b>	<b>2.2760</b>	<b>23.5856</b>	<b>15.0402</b>	<b>0.0276</b>	<b>0.3602</b>	<b>1.2701</b>	<b>1.6303</b>	<b>0.1892</b>	<b>1.1930</b>	<b>1.3822</b>	<b>0.0000</b>	<b>2,771.571 4</b>	<b>2,771.571 4</b>	<b>0.7198</b>		<b>2,786.686 3</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	0.6558	10.0670	8.2328	0.0282	1.6340	0.1502	1.7843	0.4200	0.1382	0.5582		2,792.971 7	2,792.971 7	0.0203		2,793.397 4
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	0.0420	0.0568	0.5931	1.4600e-003	0.1230	9.9000e-004	0.1239	0.0326	9.1000e-004	0.0335		118.0131	118.0131	6.1900e-003		118.1431
<b>Total</b>	<b>0.6978</b>	<b>10.1238</b>	<b>8.8259</b>	<b>0.0296</b>	<b>1.7570</b>	<b>0.1512</b>	<b>1.9082</b>	<b>0.4526</b>	<b>0.1391</b>	<b>0.5917</b>		<b>2,910.984 8</b>	<b>2,910.984 8</b>	<b>0.0265</b>		<b>2,911.540 4</b>

### 3.3 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	1.3181	12.9502	8.2708	0.0119		0.8663	0.8663		0.7979	0.7979		1,197.4183	1,197.4183	0.3592		1,204.9617
<b>Total</b>	<b>1.3181</b>	<b>12.9502</b>	<b>8.2708</b>	<b>0.0119</b>		<b>0.8663</b>	<b>0.8663</b>		<b>0.7979</b>	<b>0.7979</b>		<b>1,197.4183</b>	<b>1,197.4183</b>	<b>0.3592</b>		<b>1,204.9617</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	0.0669	0.6482	0.9093	1.7300e-003	0.0500	0.0102	0.0602	0.0142	9.3500e-003	0.0236		170.2911	170.2911	1.2500e-003		170.3173
Worker	0.0954	0.1291	1.3481	3.3200e-003	0.2794	2.2500e-003	0.2817	0.0741	2.0700e-003	0.0762		268.2115	268.2115	0.0141		268.5069
<b>Total</b>	<b>0.1624</b>	<b>0.7773</b>	<b>2.2573</b>	<b>5.0500e-003</b>	<b>0.3295</b>	<b>0.0124</b>	<b>0.3419</b>	<b>0.0884</b>	<b>0.0114</b>	<b>0.0998</b>		<b>438.5026</b>	<b>438.5026</b>	<b>0.0153</b>		<b>438.8243</b>

### 3.3 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	1.3181	12.9502	8.2708	0.0119		0.8663	0.8663		0.7979	0.7979	0.0000	1,197.4183	1,197.4183	0.3592		1,204.9617
<b>Total</b>	<b>1.3181</b>	<b>12.9502</b>	<b>8.2708</b>	<b>0.0119</b>		<b>0.8663</b>	<b>0.8663</b>		<b>0.7979</b>	<b>0.7979</b>	<b>0.0000</b>	<b>1,197.4183</b>	<b>1,197.4183</b>	<b>0.3592</b>		<b>1,204.9617</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	0.0669	0.6482	0.9093	1.7300e-003	0.0500	0.0102	0.0602	0.0142	9.3500e-003	0.0236		170.2911	170.2911	1.2500e-003		170.3173
Worker	0.0954	0.1291	1.3481	3.3200e-003	0.2794	2.2500e-003	0.2817	0.0741	2.0700e-003	0.0762		268.2115	268.2115	0.0141		268.5069
<b>Total</b>	<b>0.1624</b>	<b>0.7773</b>	<b>2.2573</b>	<b>5.0500e-003</b>	<b>0.3295</b>	<b>0.0124</b>	<b>0.3419</b>	<b>0.0884</b>	<b>0.0114</b>	<b>0.0998</b>		<b>438.5026</b>	<b>438.5026</b>	<b>0.0153</b>		<b>438.8243</b>

### 3.3 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	1.1227	11.2339	7.9552	0.0119		0.7164	0.7164		0.6599	0.6599		1,178.1360	1,178.1360	0.3589		1,185.6730
<b>Total</b>	<b>1.1227</b>	<b>11.2339</b>	<b>7.9552</b>	<b>0.0119</b>		<b>0.7164</b>	<b>0.7164</b>		<b>0.6599</b>	<b>0.6599</b>		<b>1,178.1360</b>	<b>1,178.1360</b>	<b>0.3589</b>		<b>1,185.6730</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	0.0626	0.5950	0.8725	1.7200e-003	0.0500	9.5800e-003	0.0596	0.0142	8.8100e-003	0.0231		167.4325	167.4325	1.2400e-003		167.4586
Worker	0.0858	0.1171	1.2200	3.3100e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0200e-003	0.0761		258.1963	258.1963	0.0131		258.4705
<b>Total</b>	<b>0.1484</b>	<b>0.7120</b>	<b>2.0925</b>	<b>5.0300e-003</b>	<b>0.3295</b>	<b>0.0118</b>	<b>0.3412</b>	<b>0.0884</b>	<b>0.0108</b>	<b>0.0992</b>		<b>425.6288</b>	<b>425.6288</b>	<b>0.0143</b>		<b>425.9291</b>

### 3.3 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	1.1227	11.2339	7.9552	0.0119		0.7164	0.7164		0.6599	0.6599	0.0000	1,178.1360	1,178.1360	0.3589		1,185.6730
<b>Total</b>	<b>1.1227</b>	<b>11.2339</b>	<b>7.9552</b>	<b>0.0119</b>		<b>0.7164</b>	<b>0.7164</b>		<b>0.6599</b>	<b>0.6599</b>	<b>0.0000</b>	<b>1,178.1360</b>	<b>1,178.1360</b>	<b>0.3589</b>		<b>1,185.6730</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	0.0626	0.5950	0.8725	1.7200e-003	0.0500	9.5800e-003	0.0596	0.0142	8.8100e-003	0.0231		167.4325	167.4325	1.2400e-003		167.4586
Worker	0.0858	0.1171	1.2200	3.3100e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0200e-003	0.0761		258.1963	258.1963	0.0131		258.4705
<b>Total</b>	<b>0.1484</b>	<b>0.7120</b>	<b>2.0925</b>	<b>5.0300e-003</b>	<b>0.3295</b>	<b>0.0118</b>	<b>0.3412</b>	<b>0.0884</b>	<b>0.0108</b>	<b>0.0992</b>		<b>425.6288</b>	<b>425.6288</b>	<b>0.0143</b>		<b>425.9291</b>

**3.4 Architectural Coating - 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					
Archit. Coating	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5346	3.8312	3.0362	4.6500e-003		0.2974	0.2974		0.2883	0.2883		436.5264	436.5264	0.0696		437.9870
<b>Total</b>	<b>9.0500</b>	<b>3.8312</b>	<b>3.0362</b>	<b>4.6500e-003</b>		<b>0.2974</b>	<b>0.2974</b>		<b>0.2883</b>	<b>0.2883</b>		<b>436.5264</b>	<b>436.5264</b>	<b>0.0696</b>		<b>437.9870</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	0.0878	0.1188	1.2402	3.0500e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		246.7546	246.7546	0.0129		247.0264
<b>Total</b>	<b>0.0878</b>	<b>0.1188</b>	<b>1.2402</b>	<b>3.0500e-003</b>	<b>0.2571</b>	<b>2.0700e-003</b>	<b>0.2592</b>	<b>0.0682</b>	<b>1.9100e-003</b>	<b>0.0701</b>		<b>246.7546</b>	<b>246.7546</b>	<b>0.0129</b>		<b>247.0264</b>



### 3.4 Architectural Coating - 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					
Archit. Coating	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5346	3.8312	3.0362	4.6500e-003		0.2974	0.2974		0.2883	0.2883	0.0000	436.5264	436.5264	0.0696		437.9870
<b>Total</b>	<b>9.0500</b>	<b>3.8312</b>	<b>3.0362</b>	<b>4.6500e-003</b>		<b>0.2974</b>	<b>0.2974</b>		<b>0.2883</b>	<b>0.2883</b>	<b>0.0000</b>	<b>436.5264</b>	<b>436.5264</b>	<b>0.0696</b>		<b>437.9870</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	0.0878	0.1188	1.2402	3.0500e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		246.7546	246.7546	0.0129		247.0264
<b>Total</b>	<b>0.0878</b>	<b>0.1188</b>	<b>1.2402</b>	<b>3.0500e-003</b>	<b>0.2571</b>	<b>2.0700e-003</b>	<b>0.2592</b>	<b>0.0682</b>	<b>1.9100e-003</b>	<b>0.0701</b>		<b>246.7546</b>	<b>246.7546</b>	<b>0.0129</b>		<b>247.0264</b>

### 3.4 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	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.4763	3.4628	2.9939	4.6500e-003		0.2557	0.2557		0.2481	0.2481		434.6765	434.6765	0.0666			436.0747
<b>Total</b>	<b>8.9917</b>	<b>3.4628</b>	<b>2.9939</b>	<b>4.6500e-003</b>		<b>0.2557</b>	<b>0.2557</b>		<b>0.2481</b>	<b>0.2481</b>		<b>434.6765</b>	<b>434.6765</b>	<b>0.0666</b>			<b>436.0747</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	0.0790	0.1077	1.1224	3.0500e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8600e-003	0.0700		237.5406	237.5406	0.0120			237.7929
<b>Total</b>	<b>0.0790</b>	<b>0.1077</b>	<b>1.1224</b>	<b>3.0500e-003</b>	<b>0.2571</b>	<b>2.0100e-003</b>	<b>0.2591</b>	<b>0.0682</b>	<b>1.8600e-003</b>	<b>0.0700</b>		<b>237.5406</b>	<b>237.5406</b>	<b>0.0120</b>			<b>237.7929</b>

### 3.4 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	8.5154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4763	3.4628	2.9939	4.6500e-003		0.2557	0.2557		0.2481	0.2481	0.0000	434.6765	434.6765	0.0666		436.0747
<b>Total</b>	<b>8.9917</b>	<b>3.4628</b>	<b>2.9939</b>	<b>4.6500e-003</b>		<b>0.2557</b>	<b>0.2557</b>		<b>0.2481</b>	<b>0.2481</b>	<b>0.0000</b>	<b>434.6765</b>	<b>434.6765</b>	<b>0.0666</b>		<b>436.0747</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	0.0790	0.1077	1.1224	3.0500e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8600e-003	0.0700		237.5406	237.5406	0.0120		237.7929
<b>Total</b>	<b>0.0790</b>	<b>0.1077</b>	<b>1.1224</b>	<b>3.0500e-003</b>	<b>0.2571</b>	<b>2.0100e-003</b>	<b>0.2591</b>	<b>0.0682</b>	<b>1.8600e-003</b>	<b>0.0700</b>		<b>237.5406</b>	<b>237.5406</b>	<b>0.0120</b>		<b>237.7929</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5628	1.4150	5.5871	0.0149	1.0407	0.0212	1.0619	0.2781	0.0195	0.2976		1,194,298 4	1,194,298 4	0.0448		1,195,239 0
Unmitigated	0.6130	1.8171	6.8410	0.0199	1.4011	0.0280	1.4291	0.3744	0.0258	0.4002		1,594,184 1	1,594,184 1	0.0588		1,595,417 8

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	179.55	193.32	163.89	612,627	455,045
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>179.55</b>	<b>193.32</b>	<b>163.89</b>	<b>612,627</b>	<b>455,045</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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0109	0.0932	0.0397	6.0000e-004		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003		119.0242	119.0242	2.2800e-003	2.1800e-003	119.7485
NaturalGas Unmitigated	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8612	149.8612	2.8700e-003	2.7500e-003	150.7732

### 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
Condo/Townhouse High Rise	1273.82	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8612	149.8612	2.8700e-003	2.7500e-003	150.7732
<b>Total</b>		<b>0.0137</b>	<b>0.1174</b>	<b>0.0500</b>	<b>7.5000e-004</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>		<b>149.8612</b>	<b>149.8612</b>	<b>2.8700e-003</b>	<b>2.7500e-003</b>	<b>150.7732</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					
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
Condo/Townhouse High Rise	1.01171	0.0109	0.0932	0.0397	6.0000e-004		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003		119.0242	119.0242	2.2800e-003	2.1800e-003	119.7485
<b>Total</b>		<b>0.0109</b>	<b>0.0932</b>	<b>0.0397</b>	<b>6.0000e-004</b>		<b>7.5400e-003</b>	<b>7.5400e-003</b>		<b>7.5400e-003</b>	<b>7.5400e-003</b>		<b>119.0242</b>	<b>119.0242</b>	<b>2.2800e-003</b>	<b>2.1800e-003</b>	<b>119.7485</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	2.7429	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107
Unmitigated	2.7993	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	4.0271	4.0271	3.9800e-003	0.0000	4.1107

### 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	0.3620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0693	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123		4.0271	4.0271	3.9800e-003		4.1107
<b>Total</b>	<b>2.7993</b>	<b>0.0260</b>	<b>2.2462</b>	<b>1.2000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>4.0271</b>	<b>4.0271</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>4.1107</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	0.3056					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0693	0.0260	2.2462	1.2000e-004		0.0123	0.0123		0.0123	0.0123		4.0271	4.0271	3.9800e-003		4.1107
<b>Total</b>	<b>2.7429</b>	<b>0.0260</b>	<b>2.2462</b>	<b>1.2000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>4.0271</b>	<b>4.0271</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>4.1107</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 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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