

## **Appendix C**

### *Air Quality Modeling Results*



**8555 Santa Monica Blvd - Proposed Project**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	109.00	Dwelling Unit	1.26	109,000.00	170
General Office Building	6.08	1000sqft	0.00	6,079.00	0
Strip Mall	15.68	1000sqft	0.00	15,678.00	0
High Turnover (Sit Down Restaurant)	2.82	1000sqft	0.00	2,820.00	0
Enclosed Parking with Elevator	350.00	Space	0.00	140,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	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 - 97 apts + 12 live work = 109 apts. Hair salon (3,718) added to reatil (15,678), site size 1.26 ac, pop of 170

Construction Phase - 1 mo demo, 4 mo excavation, 14 mo construction, 3 mo paving and coating

Grading - 49800 CY export

Demolition - 31116 sf of existing res. and com. uses on-site

Architectural Coating - per green building checklist - providing no-VOC paints (<= 5 g/L) on interior applications

Vehicle Trips - Rates per traffic study (Fehr & Peers, 2016)

Woodstoves - no hearths per site plans

Area Coating - no-VOC interior paints per green building checklist

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	5.00
tblConstructionPhase	NumDays	10.00	56.00
tblConstructionPhase	NumDays	200.00	304.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	86.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	92.65	0.00
tblFireplaces	NumberNoFireplace	10.90	109.00
tblFireplaces	NumberWood	5.45	0.00
tblGrading	MaterialExported	0.00	49,800.00
tblLandUse	LandUseSquareFeet	6,080.00	6,079.00
tblLandUse	LandUseSquareFeet	15,680.00	15,678.00

tblLandUse	LotAcreage	2.87	1.26
tblLandUse	LotAcreage	0.14	0.00
tblLandUse	LotAcreage	0.36	0.00
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	3.15	0.00
tblLandUse	Population	312.00	170.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	11.01	11.03
tblWoodstoves	NumberCatalytic	5.45	0.00
tblWoodstoves	NumberNoncatalytic	5.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9757	0.1050	9.0758	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	16.2742	16.2742	0.0161	0.0000	16.6126
Energy	0.0441	0.3892	0.2491	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.3997	481.3997	9.2300e-003	8.8300e-003	484.3294
Mobile	5.9082	14.6684	58.5309	0.1503	10.2251	0.2203	10.4454	2.7344	0.2032	2.9376		12,100.5797	12,100.5797	0.4729		12,110.5113
<b>Total</b>	<b>12.9279</b>	<b>15.1626</b>	<b>67.8558</b>	<b>0.1532</b>	<b>10.2251</b>	<b>0.3005</b>	<b>10.5256</b>	<b>2.7344</b>	<b>0.2833</b>	<b>3.0177</b>	<b>0.0000</b>	<b>12,598.2535</b>	<b>12,598.2535</b>	<b>0.4983</b>	<b>8.8300e-003</b>	<b>12,611.4533</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	6.9757	0.1050	9.0758	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	16.2742	16.2742	0.0161	0.0000	16.6126
Energy	0.0441	0.3892	0.2491	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.3997	481.3997	9.2300e-003	8.8300e-003	484.3294
Mobile	5.9082	14.6684	58.5309	0.1503	10.2251	0.2203	10.4454	2.7344	0.2032	2.9376		12,100.5797	12,100.5797	0.4729		12,110.5113
<b>Total</b>	<b>12.9279</b>	<b>15.1626</b>	<b>67.8558</b>	<b>0.1532</b>	<b>10.2251</b>	<b>0.3005</b>	<b>10.5256</b>	<b>2.7344</b>	<b>0.2833</b>	<b>3.0177</b>	<b>0.0000</b>	<b>12,598.2535</b>	<b>12,598.2535</b>	<b>0.4983</b>	<b>8.8300e-003</b>	<b>12,611.4533</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	2/1/2017	5/31/2017	5	86	
3	Building Construction	Building Construction	6/1/2017	7/31/2018	5	304	
4	Paving	Paving	8/1/2018	8/14/2018	5	10	
5	Architectural Coating	Architectural Coating	8/15/2018	10/31/2018	5	56	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.25

Acres of Paving: 0

Residential Indoor: 220,725; Residential Outdoor: 73,575; Non-Residential Indoor: 246,866; Non-Residential Outdoor: 82,289 (Architectural Coating – sqft)

#### OffRoad Equipment

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	145.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT



### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3922	0.0000	1.3922	0.2108	0.0000	0.2108			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>1.3922</b>	<b>1.6062</b>	<b>2.9984</b>	<b>0.2108</b>	<b>1.5022</b>	<b>1.7130</b>		<b>2,457.468 2</b>	<b>2,457.468 2</b>	<b>0.6235</b>		<b>2,470.562 0</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</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	lb/day										lb/day					
Fugitive Dust					0.6265	0.0000	0.6265	0.0949	0.0000	0.0949			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.4682	2,457.4682	0.6235		2,470.5620
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>0.6265</b>	<b>1.6062</b>	<b>2.2327</b>	<b>0.0949</b>	<b>1.5022</b>	<b>1.5971</b>	<b>0.0000</b>	<b>2,457.4682</b>	<b>2,457.4682</b>	<b>0.6235</b>		<b>2,470.5620</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9797	0.0000	4.9797	2.5355	0.0000	2.5355			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>4.9797</b>	<b>1.0661</b>	<b>6.0459</b>	<b>2.5355</b>	<b>0.9808</b>	<b>3.5164</b>		<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</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	lb/day										lb/day					
Fugitive Dust					2.2409	0.0000	2.2409	1.1410	0.0000	1.1410			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>2.2409</b>	<b>1.0661</b>	<b>3.3070</b>	<b>1.1410</b>	<b>0.9808</b>	<b>2.1218</b>	<b>0.0000</b>	<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</b>

### 3.4 Building Construction - 2017

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.3300	3.1876	4.5789	8.5000e-003	0.2433	0.0480	0.2913	0.0692	0.0442	0.1134		838.1125	838.1125	6.2800e-003			838.2445
Worker	0.6025	0.8152	8.5227	0.0199	1.6208	0.0147	1.6354	0.4298	0.0135	0.4434		1,618.9764	1,618.9764	0.0897			1,620.8592
<b>Total</b>	<b>0.9325</b>	<b>4.0028</b>	<b>13.1015</b>	<b>0.0284</b>	<b>1.8641</b>	<b>0.0627</b>	<b>1.9268</b>	<b>0.4991</b>	<b>0.0577</b>	<b>0.5568</b>		<b>2,457.0889</b>	<b>2,457.0889</b>	<b>0.0959</b>			<b>2,459.1037</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	lb/day										lb/day						
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268			2,043.2497
<b>Total</b>	<b>2.9546</b>	<b>19.1088</b>	<b>14.3110</b>	<b>0.0220</b>		<b>1.2257</b>	<b>1.2257</b>		<b>1.1823</b>	<b>1.1823</b>	<b>0.0000</b>	<b>2,034.2860</b>	<b>2,034.2860</b>	<b>0.4268</b>			<b>2,043.2497</b>

### 3.4 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	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	0.3300	3.1876	4.5789	8.5000e-003	0.2433	0.0480	0.2913	0.0692	0.0442	0.1134		838.1125	838.1125	6.2800e-003		838.2445
Worker	0.6025	0.8152	8.5227	0.0199	1.6208	0.0147	1.6354	0.4298	0.0135	0.4434		1,618.9764	1,618.9764	0.0897		1,620.8592
<b>Total</b>	<b>0.9325</b>	<b>4.0028</b>	<b>13.1015</b>	<b>0.0284</b>	<b>1.8641</b>	<b>0.0627</b>	<b>1.9268</b>	<b>0.4991</b>	<b>0.0577</b>	<b>0.5568</b>		<b>2,457.0889</b>	<b>2,457.0889</b>	<b>0.0959</b>		<b>2,459.1037</b>

### 3.4 Building Construction - 2018

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.3096	2.9294	4.4031	8.4900e-003	0.2434	0.0452	0.2886	0.0693	0.0416	0.1108		824.2567	824.2567	6.2600e-003			824.3881
Worker	0.5412	0.7399	7.7105	0.0199	1.6208	0.0142	1.6350	0.4298	0.0132	0.4430		1,559.6080	1,559.6080	0.0833			1,561.3569
<b>Total</b>	<b>0.8508</b>	<b>3.6692</b>	<b>12.1135</b>	<b>0.0284</b>	<b>1.8641</b>	<b>0.0594</b>	<b>1.9236</b>	<b>0.4991</b>	<b>0.0548</b>	<b>0.5538</b>		<b>2,383.8647</b>	<b>2,383.8647</b>	<b>0.0895</b>			<b>2,385.7449</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	lb/day										lb/day						
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059			2,029.9373
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8357</b>	<b>0.0220</b>		<b>1.0532</b>	<b>1.0532</b>		<b>1.0172</b>	<b>1.0172</b>	<b>0.0000</b>	<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>			<b>2,029.9373</b>



### 3.4 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	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	0.3096	2.9294	4.4031	8.4900e-003	0.2434	0.0452	0.2886	0.0693	0.0416	0.1108		824.2567	824.2567	6.2600e-003			824.3881
Worker	0.5412	0.7399	7.7105	0.0199	1.6208	0.0142	1.6350	0.4298	0.0132	0.4430		1,559.6080	1,559.6080	0.0833			1,561.3569
<b>Total</b>	<b>0.8508</b>	<b>3.6692</b>	<b>12.1135</b>	<b>0.0284</b>	<b>1.8641</b>	<b>0.0594</b>	<b>1.9236</b>	<b>0.4991</b>	<b>0.0548</b>	<b>0.5538</b>		<b>2,383.8647</b>	<b>2,383.8647</b>	<b>0.0895</b>			<b>2,385.7449</b>

### 3.5 Paving - 2018

#### Unmitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

#### Mitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

### 3.6 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	25.0519					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>25.3506</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 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	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	0.1082	0.1480	1.5421	3.9700e-003	0.3242	2.8400e-003	0.3270	0.0860	2.6300e-003	0.0886		311.9216	311.9216	0.0167			312.2714
<b>Total</b>	<b>0.1082</b>	<b>0.1480</b>	<b>1.5421</b>	<b>3.9700e-003</b>	<b>0.3242</b>	<b>2.8400e-003</b>	<b>0.3270</b>	<b>0.0860</b>	<b>2.6300e-003</b>	<b>0.0886</b>		<b>311.9216</b>	<b>311.9216</b>	<b>0.0167</b>			<b>312.2714</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	lb/day										lb/day						
Archit. Coating	25.0519					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>25.3506</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 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	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	0.1082	0.1480	1.5421	3.9700e-003	0.3242	2.8400e-003	0.3270	0.0860	2.6300e-003	0.0886		311.9216	311.9216	0.0167			312.2714
<b>Total</b>	<b>0.1082</b>	<b>0.1480</b>	<b>1.5421</b>	<b>3.9700e-003</b>	<b>0.3242</b>	<b>2.8400e-003</b>	<b>0.3270</b>	<b>0.0860</b>	<b>2.6300e-003</b>	<b>0.0886</b>		<b>311.9216</b>	<b>311.9216</b>	<b>0.0167</b>			<b>312.2714</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	5.9082	14.6684	58.5309	0.1503	10.2251	0.2203	10.4454	2.7344	0.2032	2.9376		12,100.5797	12,100.5797	0.4729			12,110.5113
Unmitigated	5.9082	14.6684	58.5309	0.1503	10.2251	0.2203	10.4454	2.7344	0.2032	2.9376		12,100.5797	12,100.5797	0.4729			12,110.5113

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	724.85	780.44	661.63	2,473,198	2,473,198
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	67.06	14.41	5.96	163,687	163,687
High Turnover (Sit Down Restaurant)	358.56	446.60	371.79	508,376	508,376
Strip Mall	694.94	659.19	320.34	1,210,653	1,210,653
<b>Total</b>	<b>1,845.41</b>	<b>1,900.64</b>	<b>1,359.72</b>	<b>4,355,914</b>	<b>4,355,914</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
Apartments Mid 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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530902	0.057841	0.178699	0.124790	0.039063	0.006298	0.016951	0.033908	0.002496	0.003149	0.003689	0.000536	0.001678

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive 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	0.0441	0.3892	0.2491	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.3997	481.3997	9.2300e-003	8.8300e-003	484.3294
NaturalGas Unmitigated	0.0441	0.3892	0.2491	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.3997	481.3997	9.2300e-003	8.8300e-003	484.3294

### 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					
General Office Building	182.037	1.9600e-003	0.0179	0.0150	1.1000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		21.4161	21.4161	4.1000e-004	3.9000e-004	21.5464
High Turnover (Sit Down Restaurant)	1800.24	0.0194	0.1765	0.1483	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.7931	211.7931	4.0600e-003	3.8800e-003	213.0821
Strip Mall	73.0208	7.9000e-004	7.1600e-003	6.0100e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004		8.5907	8.5907	1.6000e-004	1.6000e-004	8.6430
Apartments Mid Rise	2036.6	0.0220	0.1877	0.0799	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.5997	239.5997	4.5900e-003	4.3900e-003	241.0579
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0441</b>	<b>0.3892</b>	<b>0.2491</b>	<b>2.4100e-003</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0305</b>	<b>0.0305</b>		<b>481.3997</b>	<b>481.3997</b>	<b>9.2200e-003</b>	<b>8.8200e-003</b>	<b>484.3294</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	lb/day										lb/day					
General Office Building	0.182037	1.9600e-003	0.0179	0.0150	1.1000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		21.4161	21.4161	4.1000e-004	3.9000e-004	21.5464
High Turnover (Sit Down Restaurant)	1.80024	0.0194	0.1765	0.1483	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.7931	211.7931	4.0600e-003	3.8800e-003	213.0821
Strip Mall	0.0730208	7.9000e-004	7.1600e-003	6.0100e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004		8.5907	8.5907	1.6000e-004	1.6000e-004	8.6430
Apartments Mid Rise	2.0366	0.0220	0.1877	0.0799	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.5997	239.5997	4.5900e-003	4.3900e-003	241.0579
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0441</b>	<b>0.3892</b>	<b>0.2491</b>	<b>2.4100e-003</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0305</b>	<b>0.0305</b>		<b>481.3997</b>	<b>481.3997</b>	<b>9.2200e-003</b>	<b>8.8200e-003</b>	<b>484.3294</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9757	0.1050	9.0758	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	16.2742	16.2742	0.0161	0.0000	16.6126
Unmitigated	6.9757	0.1050	9.0758	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	16.2742	16.2742	0.0161	0.0000	16.6126

## 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	1.2785					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4168					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	0.2803	0.1050	9.0758	4.8000e-004		0.0497	0.0497		0.0497	0.0497		16.2742	16.2742	0.0161		16.6126
<b>Total</b>	<b>6.9757</b>	<b>0.1050</b>	<b>9.0758</b>	<b>4.8000e-004</b>		<b>0.0497</b>	<b>0.0497</b>		<b>0.0497</b>	<b>0.0497</b>	<b>0.0000</b>	<b>16.2742</b>	<b>16.2742</b>	<b>0.0161</b>	<b>0.0000</b>	<b>16.6126</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	1.2785					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4168					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	0.2803	0.1050	9.0758	4.8000e-004		0.0497	0.0497		0.0497	0.0497		16.2742	16.2742	0.0161		16.6126
<b>Total</b>	<b>6.9757</b>	<b>0.1050</b>	<b>9.0758</b>	<b>4.8000e-004</b>		<b>0.0497</b>	<b>0.0497</b>		<b>0.0497</b>	<b>0.0497</b>	<b>0.0000</b>	<b>16.2742</b>	<b>16.2742</b>	<b>0.0161</b>	<b>0.0000</b>	<b>16.6126</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

**8555 Santa Monica Blvd - Existing Uses**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	3.00	Dwelling Unit	0.97	5,400.00	9
General Office Building	4.21	1000sqft	0.10	4,211.00	0
Health Club	4.06	1000sqft	0.09	4,058.00	0
High Turnover (Sit Down Restaurant)	2.48	1000sqft	0.06	2,475.00	0
Strip Mall	16.64	1000sqft	0.38	16,644.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2016
<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 - hair salon (6,218 sf) added to retail (10,426 sf)  
 Construction Phase - No construction - only analyzing existing operational emissions  
 Woodstoves - No woodstoves - residences may have fireplaces



## 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	1.5480	0.0109	1.0264	1.0000e-005		0.1106	0.1106		0.1105	0.1105	10.3958	54.4517	64.8475	1.5100e-003	1.9100e-003	65.4704
Energy	0.0243	0.2193	0.1743	1.3200e-003		0.0168	0.0168		0.0168	0.0168		264.9820	264.9820	5.0800e-003	4.8600e-003	266.5946
Mobile	4.6343	9.6938	41.5686	0.0780	5.2568	0.1279	5.3847	1.4056	0.1175	1.5231		6,870.9377	6,870.9377	0.3112		6,877.4735
<b>Total</b>	<b>6.2065</b>	<b>9.9240</b>	<b>42.7693</b>	<b>0.0793</b>	<b>5.2568</b>	<b>0.2552</b>	<b>5.5120</b>	<b>1.4056</b>	<b>0.2449</b>	<b>1.6504</b>	<b>10.3958</b>	<b>7,190.3713</b>	<b>7,200.7672</b>	<b>0.3178</b>	<b>6.7700e-003</b>	<b>7,209.5384</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	1.5480	0.0109	1.0264	1.0000e-005		0.1106	0.1106		0.1105	0.1105	10.3958	54.4517	64.8475	1.5100e-003	1.9100e-003	65.4704
Energy	0.0243	0.2193	0.1743	1.3200e-003		0.0168	0.0168		0.0168	0.0168		264.9820	264.9820	5.0800e-003	4.8600e-003	266.5946
Mobile	4.6343	9.6938	41.5686	0.0780	5.2568	0.1279	5.3847	1.4056	0.1175	1.5231		6,870.9377	6,870.9377	0.3112		6,877.4735
<b>Total</b>	<b>6.2065</b>	<b>9.9240</b>	<b>42.7693</b>	<b>0.0793</b>	<b>5.2568</b>	<b>0.2552</b>	<b>5.5120</b>	<b>1.4056</b>	<b>0.2449</b>	<b>1.6504</b>	<b>10.3958</b>	<b>7,190.3713</b>	<b>7,200.7672</b>	<b>0.3178</b>	<b>6.7700e-003</b>	<b>7,209.5384</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	4.6343	9.6938	41.5686	0.0780	5.2568	0.1279	5.3847	1.4056	0.1175	1.5231		6,870.9377	6,870.9377	0.3112		6,877.4735
Mitigated	4.6343	9.6938	41.5686	0.0780	5.2568	0.1279	5.3847	1.4056	0.1175	1.5231		6,870.9377	6,870.9377	0.3112		6,877.4735

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	46.36	9.98	4.13	113,176	113,176
Health Club	133.63	84.69	108.47	263,164	263,164
High Turnover (Sit Down Restaurant)	314.70	391.97	326.30	446,181	446,181
Single Family Housing	28.71	30.24	26.31	97,682	97,682
Strip Mall	737.66	699.71	340.04	1,285,084	1,285,084
Total	1,261.06	1,216.59	805.25	2,205,286	2,205,286

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533598	0.058434	0.178244	0.125508	0.038944	0.006283	0.016425	0.031066	0.002453	0.003157	0.003691	0.000543	0.001655

### 5.0 Energy Detail

#### 5.1 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0243	0.2193	0.1743	1.3200e-003		0.0168	0.0168		0.0168	0.0168		264.9820	264.9820	5.0800e-003	4.8600e-003	266.5946
NaturalGas Unmitigated	0.0243	0.2193	0.1743	1.3200e-003		0.0168	0.0168		0.0168	0.0168		264.9820	264.9820	5.0800e-003	4.8600e-003	266.5946



### 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					
General Office Building	126.099	1.3600e-003	0.0124	0.0104	7.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		14.8352	14.8352	2.8000e-004	2.7000e-004	14.9255
Health Club	209.126	2.2600e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.6031	24.6031	4.7000e-004	4.5000e-004	24.7528
High Turnover (Sit Down Restaurant)	1580	0.0170	0.1549	0.1301	9.3000e-004		0.0118	0.0118		0.0118	0.0118		185.8823	185.8823	3.5600e-003	3.4100e-003	187.0135
Single Family Housing	259.602	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003		30.5414	30.5414	5.9000e-004	5.6000e-004	30.7273
Strip Mall	77.52	8.4000e-004	7.6000e-003	6.3800e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1200	9.1200	1.7000e-004	1.7000e-004	9.1755
<b>Total</b>		<b>0.0243</b>	<b>0.2193</b>	<b>0.1743</b>	<b>1.3200e-003</b>		<b>0.0168</b>	<b>0.0168</b>		<b>0.0168</b>	<b>0.0168</b>		<b>264.9820</b>	<b>264.9820</b>	<b>5.0700e-003</b>	<b>4.8600e-003</b>	<b>266.5946</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	lb/day										lb/day					
General Office Building	0.126099	1.3600e-003	0.0124	0.0104	7.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		14.8352	14.8352	2.8000e-004	2.7000e-004	14.9255
Health Club	0.209126	2.2600e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.6031	24.6031	4.7000e-004	4.5000e-004	24.7528
High Turnover (Sit Down Restaurant)	1.58	0.0170	0.1549	0.1301	9.3000e-004		0.0118	0.0118		0.0118	0.0118		185.8823	185.8823	3.5600e-003	3.4100e-003	187.0135
Single Family Housing	0.259602	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003		30.5414	30.5414	5.9000e-004	5.6000e-004	30.7273
Strip Mall	0.07752	8.4000e-004	7.6000e-003	6.3800e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1200	9.1200	1.7000e-004	1.7000e-004	9.1755
<b>Total</b>		<b>0.0243</b>	<b>0.2193</b>	<b>0.1743</b>	<b>1.3200e-003</b>		<b>0.0168</b>	<b>0.0168</b>		<b>0.0168</b>	<b>0.0168</b>		<b>264.9820</b>	<b>264.9820</b>	<b>5.0700e-003</b>	<b>4.8600e-003</b>	<b>266.5946</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	1.5480	0.0109	1.0264	1.0000e-005		0.1106	0.1106		0.1105	0.1105	10.3958	54.4517	64.8475	1.5100e-003	1.9100e-003	65.4704
Mitigated	1.5480	0.0109	1.0264	1.0000e-005		0.1106	0.1106		0.1105	0.1105	10.3958	54.4517	64.8475	1.5100e-003	1.9100e-003	65.4704

## 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	0.1855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7051	7.9500e-003	0.7726	0.0000		0.1092	0.1092		0.1092	0.1092	10.3958	54.0000	64.3958	1.0300e-003	1.9100e-003	65.0088
Landscaping	8.1800e-003	2.9600e-003	0.2538	1.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.4517	0.4517	4.7000e-004		0.4615
<b>Total</b>	<b>1.5480</b>	<b>0.0109</b>	<b>1.0264</b>	<b>1.0000e-005</b>		<b>0.1106</b>	<b>0.1106</b>		<b>0.1105</b>	<b>0.1105</b>	<b>10.3958</b>	<b>54.4517</b>	<b>64.8475</b>	<b>1.5000e-003</b>	<b>1.9100e-003</b>	<b>65.4704</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	0.1855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7051	7.9500e-003	0.7726	0.0000		0.1092	0.1092		0.1092	0.1092	10.3958	54.0000	64.3958	1.0300e-003	1.9100e-003	65.0088
Landscaping	8.1800e-003	2.9600e-003	0.2538	1.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.4517	0.4517	4.7000e-004		0.4615
<b>Total</b>	<b>1.5480</b>	<b>0.0109</b>	<b>1.0264</b>	<b>1.0000e-005</b>		<b>0.1106</b>	<b>0.1106</b>		<b>0.1105</b>	<b>0.1105</b>	<b>10.3958</b>	<b>54.4517</b>	<b>64.8475</b>	<b>1.5000e-003</b>	<b>1.9100e-003</b>	<b>65.4704</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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Halloway and Hancock.dat.out.txt

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL  
 JUNE 1989 VERSION  
 PAGE 1

JOB: Halloway & Hancock - midday, existing  
 RUN: Hour 1 (WORST CASE ANGLE)  
 POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S                                      ZO= 400. CM                                      ALT= 90. (M)  
 BRG= WORST CASE                                      VD= 0.0 CM/S  
 CLAS= 7 (G)                                      VS= 0.0 CM/S  
 MIXH= 1000. M                                      AMB= 1.1 PPM  
 SIGTH= 10. DEGREES                                      TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* *	LINK X1	COORDINATES (M) Y1	X2	Y2	* *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Halloway Wes	*	0	148	135	146	*	AG	1490	11.8	0.0	20.0
B. Halloway Eas	*	150	149	303	147	*	AG	1573	11.8	0.0	20.0
C. Hancock sout	*	141	136	138	0	*	AG	239	11.8	0.0	20.0

III. RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (M) X	Y	Z
1. 1	*	133	135	0.0
2. 2	*	147	136	0.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* *	BRG (DEG)	* *	PRED CONC (PPM)	* *	CONC/LINK (PPM)		
						A	B	C
1. 1	*	283.	*	3.2	*	2.0	0.0	0.0
2. 2	*	78.	*	3.1	*	0.0	1.9	0.0

♀

**8555 Santa Monica Blvd - Alternative 2**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	46.00	1000sqft	1.26	46,002.00	0
Enclosed Parking with Elevator	261.00	Space	0.00	104,400.00	0
High Turnover (Sit Down Restaurant)	1.05	1000sqft	0.00	1,054.00	0
Apartments Mid Rise	14.00	Dwelling Unit	0.00	14,000.00	40
Strip Mall	17.44	1000sqft	0.00	17,444.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - 1.26 ac site

Construction Phase - 2 mo demo, 3 mo excavation, 14 mo construction, 3 mo paving and coating

Demolition - 31116 sf of existing res. and com. uses on-site

Grading -

Architectural Coating - per green building checklist - providing no-VOC paints ( $\leq 5$  g/L) on interior applications

Vehicle Trips - Rates per traffic study (Fehr & Peers, 2016)

Woodstoves - no hearths

Area Coating - no-VOC interior paints per green building checklist

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	5.00
tblConstructionPhase	NumDays	10.00	56.00
tblConstructionPhase	NumDays	200.00	304.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	86.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	MaterialExported	0.00	49,800.00
tblLandUse	LotAcreage	1.06	1.26
tblLandUse	LotAcreage	2.35	0.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	0.40	0.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	11.01	11.03
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.7856	0.0138	1.1956	6.0000e-005		0.0224	0.0224		0.0223	0.0223	0.0000	254.1510	254.1510	7.0600e-003	4.6200e-003	255.7315
Energy	0.0258	0.2331	0.1858	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.5557	281.5557	5.4000e-003	5.1600e-003	283.2692
Mobile	4.5752	11.2397	45.0022	0.1148	7.8074	0.1685	7.9758	2.0879	0.1553	2.2432		9,245.3596	9,245.3596	0.3618		9,252.9574
<b>Total</b>	<b>9.3866</b>	<b>11.4866</b>	<b>46.3835</b>	<b>0.1163</b>	<b>7.8074</b>	<b>0.2087</b>	<b>8.0161</b>	<b>2.0879</b>	<b>0.1954</b>	<b>2.2833</b>	<b>0.0000</b>	<b>9,781.0662</b>	<b>9,781.0662</b>	<b>0.3743</b>	<b>9.7800e-003</b>	<b>9,791.9580</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	4.7856	0.0138	1.1956	6.0000e-005		0.0224	0.0224		0.0223	0.0223	0.0000	254.1510	254.1510	7.0600e-003	4.6200e-003	255.7315
Energy	0.0258	0.2331	0.1858	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.5557	281.5557	5.4000e-003	5.1600e-003	283.2692
Mobile	4.5752	11.2397	45.0022	0.1148	7.8074	0.1685	7.9758	2.0879	0.1553	2.2432		9,245.3596	9,245.3596	0.3618		9,252.9574
<b>Total</b>	<b>9.3866</b>	<b>11.4866</b>	<b>46.3835</b>	<b>0.1163</b>	<b>7.8074</b>	<b>0.2087</b>	<b>8.0161</b>	<b>2.0879</b>	<b>0.1954</b>	<b>2.2833</b>	<b>0.0000</b>	<b>9,781.0662</b>	<b>9,781.0662</b>	<b>0.3743</b>	<b>9.7800e-003</b>	<b>9,791.9580</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	2/1/2017	5/31/2017	5	86	
3	Building Construction	Building Construction	6/1/2017	7/31/2018	5	304	
4	Paving	Paving	8/1/2018	8/14/2018	5	10	
5	Architectural Coating	Architectural Coating	8/15/2018	10/31/2018	5	56	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.25

Acres of Paving: 0

Residential Indoor: 28,350; Residential Outdoor: 9,450; Non-Residential Indoor: 253,350; Non-Residential Outdoor: 84,450 (Architectural Coating – sqft)

#### OffRoad Equipment

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	75.00	29.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3922	0.0000	1.3922	0.2108	0.0000	0.2108			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>1.3922</b>	<b>1.6062</b>	<b>2.9984</b>	<b>0.2108</b>	<b>1.5022</b>	<b>1.7130</b>		<b>2,457.468 2</b>	<b>2,457.468 2</b>	<b>0.6235</b>		<b>2,470.562 0</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</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	lb/day										lb/day					
Fugitive Dust					0.6265	0.0000	0.6265	0.0949	0.0000	0.0949			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.4682	2,457.4682	0.6235		2,470.5620
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>0.6265</b>	<b>1.6062</b>	<b>2.2327</b>	<b>0.0949</b>	<b>1.5022</b>	<b>1.5971</b>	<b>0.0000</b>	<b>2,457.4682</b>	<b>2,457.4682</b>	<b>0.6235</b>		<b>2,470.5620</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9797	0.0000	4.9797	2.5355	0.0000	2.5355			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>4.9797</b>	<b>1.0661</b>	<b>6.0459</b>	<b>2.5355</b>	<b>0.9808</b>	<b>3.5164</b>		<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</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	lb/day										lb/day					
Fugitive Dust					2.2409	0.0000	2.2409	1.1410	0.0000	1.1410			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>2.2409</b>	<b>1.0661</b>	<b>3.3070</b>	<b>1.1410</b>	<b>0.9808</b>	<b>2.1218</b>	<b>0.0000</b>	<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>



### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</b>

### 3.4 Building Construction - 2017

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.2454	2.3703	3.4048	6.3200e-003	0.1809	0.0357	0.2166	0.0515	0.0328	0.0843		623.2119	623.2119	4.6700e-003			623.3100
Worker	0.3116	0.4216	4.4083	0.0103	0.8383	7.5900e-003	0.8459	0.2223	7.0000e-003	0.2293		837.4016	837.4016	0.0464			838.3755
<b>Total</b>	<b>0.5570</b>	<b>2.7919</b>	<b>7.8131</b>	<b>0.0166</b>	<b>1.0193</b>	<b>0.0433</b>	<b>1.0626</b>	<b>0.2738</b>	<b>0.0398</b>	<b>0.3137</b>		<b>1,460.6134</b>	<b>1,460.6134</b>	<b>0.0511</b>			<b>1,461.6854</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	lb/day										lb/day						
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268			2,043.2497
<b>Total</b>	<b>2.9546</b>	<b>19.1088</b>	<b>14.3110</b>	<b>0.0220</b>		<b>1.2257</b>	<b>1.2257</b>		<b>1.1823</b>	<b>1.1823</b>	<b>0.0000</b>	<b>2,034.2860</b>	<b>2,034.2860</b>	<b>0.4268</b>			<b>2,043.2497</b>

### 3.4 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	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	0.2454	2.3703	3.4048	6.3200e-003	0.1809	0.0357	0.2166	0.0515	0.0328	0.0843		623.2119	623.2119	4.6700e-003			623.3100
Worker	0.3116	0.4216	4.4083	0.0103	0.8383	7.5900e-003	0.8459	0.2223	7.0000e-003	0.2293		837.4016	837.4016	0.0464			838.3755
<b>Total</b>	<b>0.5570</b>	<b>2.7919</b>	<b>7.8131</b>	<b>0.0166</b>	<b>1.0193</b>	<b>0.0433</b>	<b>1.0626</b>	<b>0.2738</b>	<b>0.0398</b>	<b>0.3137</b>		<b>1,460.6134</b>	<b>1,460.6134</b>	<b>0.0511</b>			<b>1,461.6854</b>

### 3.4 Building Construction - 2018

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.2302	2.1783	3.2741	6.3100e-003	0.1810	0.0336	0.2146	0.0515	0.0309	0.0824		612.9088	612.9088	4.6500e-003			613.0065
Worker	0.2799	0.3827	3.9882	0.0103	0.8383	7.3600e-003	0.8457	0.2223	6.8000e-003	0.2291		806.6938	806.6938	0.0431			807.5984
<b>Total</b>	<b>0.5101</b>	<b>2.5609</b>	<b>7.2623</b>	<b>0.0166</b>	<b>1.0193</b>	<b>0.0410</b>	<b>1.0603</b>	<b>0.2738</b>	<b>0.0377</b>	<b>0.3116</b>		<b>1,419.6026</b>	<b>1,419.6026</b>	<b>0.0477</b>			<b>1,420.6049</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	lb/day										lb/day						
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059			2,029.9373
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8357</b>	<b>0.0220</b>		<b>1.0532</b>	<b>1.0532</b>		<b>1.0172</b>	<b>1.0172</b>	<b>0.0000</b>	<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>			<b>2,029.9373</b>

### 3.4 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	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	0.2302	2.1783	3.2741	6.3100e-003	0.1810	0.0336	0.2146	0.0515	0.0309	0.0824		612.9088	612.9088	4.6500e-003			613.0065
Worker	0.2799	0.3827	3.9882	0.0103	0.8383	7.3600e-003	0.8457	0.2223	6.8000e-003	0.2291		806.6938	806.6938	0.0431			807.5984
<b>Total</b>	<b>0.5101</b>	<b>2.5609</b>	<b>7.2623</b>	<b>0.0166</b>	<b>1.0193</b>	<b>0.0410</b>	<b>1.0603</b>	<b>0.2738</b>	<b>0.0377</b>	<b>0.3116</b>		<b>1,419.6026</b>	<b>1,419.6026</b>	<b>0.0477</b>			<b>1,420.6049</b>

### 3.5 Paving - 2018

#### Unmitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

#### Mitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

### 3.6 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	19.4223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>19.7209</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003			161.5197
<b>Total</b>	<b>0.0560</b>	<b>0.0765</b>	<b>0.7976</b>	<b>2.0600e-003</b>	<b>0.1677</b>	<b>1.4700e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.3600e-003</b>	<b>0.0458</b>		<b>161.3388</b>	<b>161.3388</b>	<b>8.6200e-003</b>			<b>161.5197</b>

#### 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	19.4223					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>19.7209</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>



### 3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
<b>Total</b>	<b>0.0560</b>	<b>0.0765</b>	<b>0.7976</b>	<b>2.0600e-003</b>	<b>0.1677</b>	<b>1.4700e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.3600e-003</b>	<b>0.0458</b>		<b>161.3388</b>	<b>161.3388</b>	<b>8.6200e-003</b>		<b>161.5197</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5752	11.2397	45.0022	0.1148	7.8074	0.1685	7.9758	2.0879	0.1553	2.2432		9,245.3596	9,245.3596	0.3618		9,252.9574
Unmitigated	4.5752	11.2397	45.0022	0.1148	7.8074	0.1685	7.9758	2.0879	0.1553	2.2432		9,245.3596	9,245.3596	0.3618		9,252.9574

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	93.10	100.24	84.98	317,658	317,658
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	507.40	109.02	45.08	1,238,475	1,238,475
High Turnover (Sit Down Restaurant)	134.02	166.92	138.96	190,010	190,010
Strip Mall	773.12	733.35	356.38	1,346,852	1,346,852
<b>Total</b>	<b>1,507.64</b>	<b>1,109.53</b>	<b>625.40</b>	<b>3,092,996</b>	<b>3,092,996</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
Apartments Mid 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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530902	0.057841	0.178699	0.124790	0.039063	0.006298	0.016951	0.033908	0.002496	0.003149	0.003689	0.000536	0.001678

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0258	0.2331	0.1858	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.5557	281.5557	5.4000e-003	5.1600e-003	283.2692
NaturalGas Unmitigated	0.0258	0.2331	0.1858	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.5557	281.5557	5.4000e-003	5.1600e-003	283.2692

### 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					
General Office Building	1377.54	0.0149	0.1351	0.1134	8.1000e-004		0.0103	0.0103		0.0103	0.0103		162.0635	162.0635	3.1100e-003	2.9700e-003	163.0497
High Turnover (Sit Down Restaurant)	672.856	7.2600e-003	0.0660	0.0554	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1596	79.1596	1.5200e-003	1.4500e-003	79.6413
Strip Mall	81.246	8.8000e-004	7.9700e-003	6.6900e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		9.5584	9.5584	1.8000e-004	1.8000e-004	9.6165
Apartments Mid Rise	261.581	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.7743	30.7743	5.9000e-004	5.6000e-004	30.9616
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0258</b>	<b>0.2331</b>	<b>0.1858</b>	<b>1.4100e-003</b>		<b>0.0178</b>	<b>0.0178</b>		<b>0.0178</b>	<b>0.0178</b>		<b>281.5557</b>	<b>281.5557</b>	<b>5.4000e-003</b>	<b>5.1600e-003</b>	<b>283.2692</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	lb/day										lb/day					
General Office Building	1.37754	0.0149	0.1351	0.1134	8.1000e-004		0.0103	0.0103		0.0103	0.0103		162.0635	162.0635	3.1100e-003	2.9700e-003	163.0497
High Turnover (Sit Down Restaurant)	0.672856	7.2600e-003	0.0660	0.0554	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1596	79.1596	1.5200e-003	1.4500e-003	79.6413
Strip Mall	0.081246	8.8000e-004	7.9700e-003	6.6900e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004		9.5584	9.5584	1.8000e-004	1.8000e-004	9.6165
Apartments Mid Rise	0.261581	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.7743	30.7743	5.9000e-004	5.6000e-004	30.9616
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0258</b>	<b>0.2331</b>	<b>0.1858</b>	<b>1.4100e-003</b>		<b>0.0178</b>	<b>0.0178</b>		<b>0.0178</b>	<b>0.0178</b>		<b>281.5557</b>	<b>281.5557</b>	<b>5.4000e-003</b>	<b>5.1600e-003</b>	<b>283.2692</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7856	0.0138	1.1956	6.0000e-005		0.0224	0.0224		0.0223	0.0223	0.0000	254.1510	254.1510	7.0600e-003	4.6200e-003	255.7315
Unmitigated	4.7856	0.0138	1.1956	6.0000e-005		0.0224	0.0224		0.0223	0.0223	0.0000	254.1510	254.1510	7.0600e-003	4.6200e-003	255.7315

## 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	1.1024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0231	0.0000	1.2600e-003	0.0000		0.0160	0.0160		0.0158	0.0158	0.0000	252.0000	252.0000	4.8300e-003	4.6200e-003	253.5336
Landscaping	0.0387	0.0138	1.1943	6.0000e-005		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003		2.1510	2.1510	2.2300e-003		2.1979
<b>Total</b>	<b>4.7856</b>	<b>0.0138</b>	<b>1.1956</b>	<b>6.0000e-005</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0223</b>	<b>0.0223</b>	<b>0.0000</b>	<b>254.1510</b>	<b>254.1510</b>	<b>7.0600e-003</b>	<b>4.6200e-003</b>	<b>255.7315</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	1.1024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0231	0.0000	1.2600e-003	0.0000		0.0160	0.0160		0.0158	0.0158	0.0000	252.0000	252.0000	4.8300e-003	4.6200e-003	253.5336
Landscaping	0.0387	0.0138	1.1943	6.0000e-005		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003		2.1510	2.1510	2.2300e-003		2.1979
<b>Total</b>	<b>4.7856</b>	<b>0.0138</b>	<b>1.1956</b>	<b>6.0000e-005</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0223</b>	<b>0.0223</b>	<b>0.0000</b>	<b>254.1510</b>	<b>254.1510</b>	<b>7.0600e-003</b>	<b>4.6200e-003</b>	<b>255.7315</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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**8555 Santa Monica Blvd - Alternative 3**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	30.00	1000sqft	1.26	30,000.00	0
Enclosed Parking with Elevator	307.00	Space	0.00	122,800.00	0
High Turnover (Sit Down Restaurant)	2.82	1000sqft	0.00	2,820.00	0
Apartments Mid Rise	34.00	Dwelling Unit	0.00	34,000.00	97
Strip Mall	14.50	1000sqft	0.00	14,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - 1.26 ac site

Construction Phase - 1 mo demo, 4 mo excavation, 14 mo construction, 3 mo paving and coating

Demolition - 31116 sf of existing res. and com. uses on-site

Grading -

Architectural Coating - per green building checklist - providing no-VOC paints ( $\leq 5$  g/L) on interior applications

Vehicle Trips - Rates per traffic study (Fehr & Peers, 2016)

Woodstoves - no hearths

Area Coating - no-VOC interior paints per green building checklist

Construction Off-road Equipment Mitigation -



Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	5.00
tblConstructionPhase	NumDays	10.00	56.00
tblConstructionPhase	NumDays	200.00	304.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	86.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	MaterialExported	0.00	49,800.00
tblLandUse	LotAcreage	0.69	1.26
tblLandUse	LotAcreage	2.76	0.00
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	0.89	0.00
tblLandUse	LotAcreage	0.33	0.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	11.01	11.03
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.3404	0.0330	2.8585	1.5000e-004		0.0543	0.0543		0.0539	0.0539	0.0000	617.1283	617.1283	0.0169	0.0112	620.9614
Energy	0.0367	0.3297	0.2527	2.0000e-003		0.0253	0.0253		0.0253	0.0253		400.1648	400.1648	7.6700e-003	7.3400e-003	402.6002
Mobile	4.8484	11.5317	46.6616	0.1168	7.9213	0.1717	8.0931	2.1184	0.1584	2.2767		9,399.6206	9,399.6206	0.3693		9,407.3761
<b>Total</b>	<b>10.2255</b>	<b>11.8944</b>	<b>49.7728</b>	<b>0.1189</b>	<b>7.9213</b>	<b>0.2514</b>	<b>8.1727</b>	<b>2.1184</b>	<b>0.2376</b>	<b>2.3560</b>	<b>0.0000</b>	<b>10,416.9137</b>	<b>10,416.9137</b>	<b>0.3939</b>	<b>0.0186</b>	<b>10,430.9377</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	5.3404	0.0330	2.8585	1.5000e-004		0.0543	0.0543		0.0539	0.0539	0.0000	617.1283	617.1283	0.0169	0.0112	620.9614
Energy	0.0367	0.3297	0.2527	2.0000e-003		0.0253	0.0253		0.0253	0.0253		400.1648	400.1648	7.6700e-003	7.3400e-003	402.6002
Mobile	4.8484	11.5317	46.6616	0.1168	7.9213	0.1717	8.0931	2.1184	0.1584	2.2767		9,399.6206	9,399.6206	0.3693		9,407.3761
<b>Total</b>	<b>10.2255</b>	<b>11.8944</b>	<b>49.7728</b>	<b>0.1189</b>	<b>7.9213</b>	<b>0.2514</b>	<b>8.1727</b>	<b>2.1184</b>	<b>0.2376</b>	<b>2.3560</b>	<b>0.0000</b>	<b>10,416.9137</b>	<b>10,416.9137</b>	<b>0.3939</b>	<b>0.0186</b>	<b>10,430.9377</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	2/1/2017	5/31/2017	5	86	
3	Building Construction	Building Construction	6/1/2017	7/31/2018	5	304	
4	Paving	Paving	8/1/2018	8/14/2018	5	10	
5	Architectural Coating	Architectural Coating	8/15/2018	10/31/2018	5	56	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.25

Acres of Paving: 0

Residential Indoor: 68,850; Residential Outdoor: 22,950; Non-Residential Indoor: 255,180; Non-Residential Outdoor: 85,060 (Architectural Coating – sqft)

#### OffRoad Equipment

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	91.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3922	0.0000	1.3922	0.2108	0.0000	0.2108			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>1.3922</b>	<b>1.6062</b>	<b>2.9984</b>	<b>0.2108</b>	<b>1.5022</b>	<b>1.7130</b>		<b>2,457.468 2</b>	<b>2,457.468 2</b>	<b>0.6235</b>		<b>2,470.562 0</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</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	lb/day										lb/day					
Fugitive Dust					0.6265	0.0000	0.6265	0.0949	0.0000	0.0949			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.4682	2,457.4682	0.6235		2,470.5620
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>0.6265</b>	<b>1.6062</b>	<b>2.2327</b>	<b>0.0949</b>	<b>1.5022</b>	<b>1.5971</b>	<b>0.0000</b>	<b>2,457.4682</b>	<b>2,457.4682</b>	<b>0.6235</b>		<b>2,470.5620</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9797	0.0000	4.9797	2.5355	0.0000	2.5355			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>4.9797</b>	<b>1.0661</b>	<b>6.0459</b>	<b>2.5355</b>	<b>0.9808</b>	<b>3.5164</b>		<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>



### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</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	lb/day										lb/day					
Fugitive Dust					2.2409	0.0000	2.2409	1.1410	0.0000	1.1410			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>2.2409</b>	<b>1.0661</b>	<b>3.3070</b>	<b>1.1410</b>	<b>0.9808</b>	<b>2.1218</b>	<b>0.0000</b>	<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</b>

### 3.4 Building Construction - 2017

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.2708	2.6155	3.7570	6.9800e-003	0.1997	0.0394	0.2390	0.0568	0.0362	0.0931		687.6821	687.6821	5.1600e-003			687.7903
Worker	0.3781	0.5116	5.3487	0.0125	1.0172	9.2100e-003	1.0264	0.2698	8.5000e-003	0.2783		1,016.0472	1,016.0472	0.0563			1,017.2289
<b>Total</b>	<b>0.6489</b>	<b>3.1271</b>	<b>9.1057</b>	<b>0.0195</b>	<b>1.2168</b>	<b>0.0486</b>	<b>1.2654</b>	<b>0.3266</b>	<b>0.0447</b>	<b>0.3713</b>		<b>1,703.7293</b>	<b>1,703.7293</b>	<b>0.0614</b>			<b>1,705.0192</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	lb/day										lb/day						
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268			2,043.2497
<b>Total</b>	<b>2.9546</b>	<b>19.1088</b>	<b>14.3110</b>	<b>0.0220</b>		<b>1.2257</b>	<b>1.2257</b>		<b>1.1823</b>	<b>1.1823</b>	<b>0.0000</b>	<b>2,034.2860</b>	<b>2,034.2860</b>	<b>0.4268</b>			<b>2,043.2497</b>

### 3.4 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	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	0.2708	2.6155	3.7570	6.9800e-003	0.1997	0.0394	0.2390	0.0568	0.0362	0.0931		687.6821	687.6821	5.1600e-003			687.7903
Worker	0.3781	0.5116	5.3487	0.0125	1.0172	9.2100e-003	1.0264	0.2698	8.5000e-003	0.2783		1,016.0472	1,016.0472	0.0563			1,017.2289
<b>Total</b>	<b>0.6489</b>	<b>3.1271</b>	<b>9.1057</b>	<b>0.0195</b>	<b>1.2168</b>	<b>0.0486</b>	<b>1.2654</b>	<b>0.3266</b>	<b>0.0447</b>	<b>0.3713</b>		<b>1,703.7293</b>	<b>1,703.7293</b>	<b>0.0614</b>			<b>1,705.0192</b>

### 3.4 Building Construction - 2018

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.2541	2.4036	3.6128	6.9700e-003	0.1997	0.0371	0.2368	0.0568	0.0341	0.0910		676.3132	676.3132	5.1300e-003			676.4210
Worker	0.3396	0.4643	4.8390	0.0125	1.0172	8.9200e-003	1.0261	0.2698	8.2600e-003	0.2780		978.7885	978.7885	0.0523			979.8860
<b>Total</b>	<b>0.5937</b>	<b>2.8679</b>	<b>8.4518</b>	<b>0.0194</b>	<b>1.2168</b>	<b>0.0460</b>	<b>1.2629</b>	<b>0.3266</b>	<b>0.0424</b>	<b>0.3690</b>		<b>1,655.1017</b>	<b>1,655.1017</b>	<b>0.0574</b>			<b>1,656.3070</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	lb/day										lb/day						
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059			2,029.9373
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8357</b>	<b>0.0220</b>		<b>1.0532</b>	<b>1.0532</b>		<b>1.0172</b>	<b>1.0172</b>	<b>0.0000</b>	<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>			<b>2,029.9373</b>

### 3.4 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	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	0.2541	2.4036	3.6128	6.9700e-003	0.1997	0.0371	0.2368	0.0568	0.0341	0.0910		676.3132	676.3132	5.1300e-003			676.4210
Worker	0.3396	0.4643	4.8390	0.0125	1.0172	8.9200e-003	1.0261	0.2698	8.2600e-003	0.2780		978.7885	978.7885	0.0523			979.8860
<b>Total</b>	<b>0.5937</b>	<b>2.8679</b>	<b>8.4518</b>	<b>0.0194</b>	<b>1.2168</b>	<b>0.0460</b>	<b>1.2629</b>	<b>0.3266</b>	<b>0.0424</b>	<b>0.3690</b>		<b>1,655.1017</b>	<b>1,655.1017</b>	<b>0.0574</b>			<b>1,656.3070</b>

### 3.5 Paving - 2018

#### Unmitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

#### Mitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

### 3.6 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	20.8411					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>21.1397</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>



### 3.6 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	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	0.0672	0.0918	0.9572	2.4700e-003	0.2012	1.7700e-003	0.2030	0.0534	1.6300e-003	0.0550		193.6065	193.6065	0.0103			193.8236
<b>Total</b>	<b>0.0672</b>	<b>0.0918</b>	<b>0.9572</b>	<b>2.4700e-003</b>	<b>0.2012</b>	<b>1.7700e-003</b>	<b>0.2030</b>	<b>0.0534</b>	<b>1.6300e-003</b>	<b>0.0550</b>		<b>193.6065</b>	<b>193.6065</b>	<b>0.0103</b>			<b>193.8236</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	lb/day										lb/day						
Archit. Coating	20.8411					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>21.1397</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 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	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	0.0672	0.0918	0.9572	2.4700e-003	0.2012	1.7700e-003	0.2030	0.0534	1.6300e-003	0.0550		193.6065	193.6065	0.0103			193.8236
<b>Total</b>	<b>0.0672</b>	<b>0.0918</b>	<b>0.9572</b>	<b>2.4700e-003</b>	<b>0.2012</b>	<b>1.7700e-003</b>	<b>0.2030</b>	<b>0.0534</b>	<b>1.6300e-003</b>	<b>0.0550</b>		<b>193.6065</b>	<b>193.6065</b>	<b>0.0103</b>			<b>193.8236</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8484	11.5317	46.6616	0.1168	7.9213	0.1717	8.0931	2.1184	0.1584	2.2767		9,399.6206	9,399.6206	0.3693		9,407.3761
Unmitigated	4.8484	11.5317	46.6616	0.1168	7.9213	0.1717	8.0931	2.1184	0.1584	2.2767		9,399.6206	9,399.6206	0.3693		9,407.3761

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.10	243.44	206.38	771,456	771,456
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	330.90	71.10	29.40	807,666	807,666
High Turnover (Sit Down Restaurant)	358.56	446.60	371.79	508,376	508,376
Strip Mall	642.64	609.58	296.24	1,119,545	1,119,545
<b>Total</b>	<b>1,558.20</b>	<b>1,370.72</b>	<b>903.80</b>	<b>3,207,044</b>	<b>3,207,044</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
Apartments Mid 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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530902	0.057841	0.178699	0.124790	0.039063	0.006298	0.016951	0.033908	0.002496	0.003149	0.003689	0.000536	0.001678

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0367	0.3297	0.2527	2.0000e-003		0.0253	0.0253		0.0253	0.0253		400.1648	400.1648	7.6700e-003	7.3400e-003	402.6002
NaturalGas Unmitigated	0.0367	0.3297	0.2527	2.0000e-003		0.0253	0.0253		0.0253	0.0253		400.1648	400.1648	7.6700e-003	7.3400e-003	402.6002

### 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					
General Office Building	898.356	9.6900e-003	0.0881	0.0740	5.3000e-004		6.6900e-003	6.6900e-003		6.6900e-003	6.6900e-003		105.6890	105.6890	2.0300e-003	1.9400e-003	106.3322
High Turnover (Sit Down Restaurant)	1800.24	0.0194	0.1765	0.1483	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.7931	211.7931	4.0600e-003	3.8800e-003	213.0821
Strip Mall	67.5342	7.3000e-004	6.6200e-003	5.5600e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.9452	7.9452	1.5000e-004	1.5000e-004	7.9936
Apartments Mid Rise	635.269	6.8500e-003	0.0585	0.0249	3.7000e-004		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003		74.7375	74.7375	1.4300e-003	1.3700e-003	75.1924
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0367</b>	<b>0.3297</b>	<b>0.2527</b>	<b>2.0000e-003</b>		<b>0.0253</b>	<b>0.0253</b>		<b>0.0253</b>	<b>0.0253</b>		<b>400.1648</b>	<b>400.1648</b>	<b>7.6700e-003</b>	<b>7.3400e-003</b>	<b>402.6002</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	lb/day										lb/day					
General Office Building	0.898356	9.6900e-003	0.0881	0.0740	5.3000e-004		6.6900e-003	6.6900e-003		6.6900e-003	6.6900e-003		105.6890	105.6890	2.0300e-003	1.9400e-003	106.3322
High Turnover (Sit Down Restaurant)	1.80024	0.0194	0.1765	0.1483	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.7931	211.7931	4.0600e-003	3.8800e-003	213.0821
Strip Mall	0.0675342	7.3000e-004	6.6200e-003	5.5600e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.9452	7.9452	1.5000e-004	1.5000e-004	7.9936
Apartments Mid Rise	0.635269	6.8500e-003	0.0585	0.0249	3.7000e-004		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003		74.7375	74.7375	1.4300e-003	1.3700e-003	75.1924
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0367</b>	<b>0.3297</b>	<b>0.2527</b>	<b>2.0000e-003</b>		<b>0.0253</b>	<b>0.0253</b>		<b>0.0253</b>	<b>0.0253</b>		<b>400.1648</b>	<b>400.1648</b>	<b>7.6700e-003</b>	<b>7.3400e-003</b>	<b>402.6002</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3404	0.0330	2.8585	1.5000e-004		0.0543	0.0543		0.0539	0.0539	0.0000	617.1283	617.1283	0.0169	0.0112	620.9614
Unmitigated	5.3404	0.0330	2.8585	1.5000e-004		0.0543	0.0543		0.0539	0.0539	0.0000	617.1283	617.1283	0.0169	0.0112	620.9614

## 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	1.1530					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.0416					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0561	0.0000	3.0600e-003	0.0000		0.0388	0.0388		0.0384	0.0384	0.0000	612.0000	612.0000	0.0117	0.0112	615.7245
Landscaping	0.0898	0.0330	2.8555	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.1283	5.1283	5.1700e-003		5.2369
<b>Total</b>	<b>5.3404</b>	<b>0.0330</b>	<b>2.8585</b>	<b>1.5000e-004</b>		<b>0.0543</b>	<b>0.0543</b>		<b>0.0539</b>	<b>0.0539</b>	<b>0.0000</b>	<b>617.1283</b>	<b>617.1283</b>	<b>0.0169</b>	<b>0.0112</b>	<b>620.9614</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	1.1530					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.0416					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0561	0.0000	3.0600e-003	0.0000		0.0388	0.0388		0.0384	0.0384	0.0000	612.0000	612.0000	0.0117	0.0112	615.7245
Landscaping	0.0898	0.0330	2.8555	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.1283	5.1283	5.1700e-003		5.2369
<b>Total</b>	<b>5.3404</b>	<b>0.0330</b>	<b>2.8585</b>	<b>1.5000e-004</b>		<b>0.0543</b>	<b>0.0543</b>		<b>0.0539</b>	<b>0.0539</b>	<b>0.0000</b>	<b>617.1283</b>	<b>617.1283</b>	<b>0.0169</b>	<b>0.0112</b>	<b>620.9614</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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**8555 Santa Monica Blvd - Alternative 4**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	259.00	Space	0.00	103,600.00	0
High Turnover (Sit Down Restaurant)	14.82	1000sqft	0.00	14,820.00	0
Apartments Mid Rise	14.00	Dwelling Unit	0.00	14,000.00	40
Strip Mall	3.68	1000sqft	0.00	3,678.00	0
Hotel	78.00	Room	1.26	113,256.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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



Project Characteristics -

Land Use - 1.26 ac site

Construction Phase - 2 mo demo, 3 mo excavation, 14 mo construction, 3 mo paving and coating

Demolition - 31116 sf of existing res. and com. uses on-site

Grading -

Architectural Coating - per green building checklist - providing no-VOC paints ( $\leq 5$  g/L) on interior applications

Vehicle Trips - Rates per traffic study (Fehr & Peers, 2016)

Woodstoves - no hearths

Area Coating - no-VOC interior paints per green building checklist

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	5.00
tblConstructionPhase	NumDays	10.00	56.00
tblConstructionPhase	NumDays	200.00	304.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	86.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	MaterialExported	0.00	49,800.00
tblLandUse	LotAcreage	2.33	0.00
tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	2.60	1.26
tblProjectCharacteristics	OperationalYear	2014	2019
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5237	0.0138	1.1987	6.0000e-005		0.0225	0.0225		0.0223	0.0223	0.0000	254.1575	254.1575	7.0800e-003	4.6200e-003	255.7385
Energy	0.1888	1.7144	1.4301	0.0103		0.1304	0.1304		0.1304	0.1304		2,059.1791	2,059.1791	0.0395	0.0378	2,071.7109
Mobile	8.8714	17.7894	76.4066	0.1706	11.4186	0.2549	11.6735	3.0536	0.2350	3.2886		13,725.6526	13,725.6526	0.5527		13,737.2597
<b>Total</b>	<b>15.5838</b>	<b>19.5177</b>	<b>79.0354</b>	<b>0.1809</b>	<b>11.4186</b>	<b>0.4077</b>	<b>11.8263</b>	<b>3.0536</b>	<b>0.3877</b>	<b>3.4413</b>	<b>0.0000</b>	<b>16,038.9892</b>	<b>16,038.9892</b>	<b>0.5993</b>	<b>0.0424</b>	<b>16,064.7091</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	6.5237	0.0138	1.1987	6.0000e-005		0.0225	0.0225		0.0223	0.0223	0.0000	254.1575	254.1575	7.0800e-003	4.6200e-003	255.7385
Energy	0.1888	1.7144	1.4301	0.0103		0.1304	0.1304		0.1304	0.1304		2,059.1791	2,059.1791	0.0395	0.0378	2,071.7109
Mobile	8.8714	17.7894	76.4066	0.1706	11.4186	0.2549	11.6735	3.0536	0.2350	3.2886		13,725.6526	13,725.6526	0.5527		13,737.2597
<b>Total</b>	<b>15.5838</b>	<b>19.5177</b>	<b>79.0354</b>	<b>0.1809</b>	<b>11.4186</b>	<b>0.4077</b>	<b>11.8263</b>	<b>3.0536</b>	<b>0.3877</b>	<b>3.4413</b>	<b>0.0000</b>	<b>16,038.9892</b>	<b>16,038.9892</b>	<b>0.5993</b>	<b>0.0424</b>	<b>16,064.7091</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	2/1/2017	5/31/2017	5	86	
3	Building Construction	Building Construction	6/1/2017	7/31/2018	5	304	
4	Paving	Paving	8/1/2018	8/14/2018	5	10	
5	Architectural Coating	Architectural Coating	8/15/2018	10/31/2018	5	56	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.25

Acres of Paving: 0

Residential Indoor: 28,350; Residential Outdoor: 9,450; Non-Residential Indoor: 353,031; Non-Residential Outdoor: 117,677 (Architectural Coating – sqft)

#### OffRoad Equipment

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	109.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3922	0.0000	1.3922	0.2108	0.0000	0.2108			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>1.3922</b>	<b>1.6062</b>	<b>2.9984</b>	<b>0.2108</b>	<b>1.5022</b>	<b>1.7130</b>		<b>2,457.468 2</b>	<b>2,457.468 2</b>	<b>0.6235</b>		<b>2,470.562 0</b>

### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</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	lb/day										lb/day					
Fugitive Dust					0.6265	0.0000	0.6265	0.0949	0.0000	0.0949			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.4682	2,457.4682	0.6235		2,470.5620
<b>Total</b>	<b>2.7216</b>	<b>26.5855</b>	<b>20.8712</b>	<b>0.0245</b>	<b>0.6265</b>	<b>1.6062</b>	<b>2.2327</b>	<b>0.0949</b>	<b>1.5022</b>	<b>1.5971</b>	<b>0.0000</b>	<b>2,457.4682</b>	<b>2,457.4682</b>	<b>0.6235</b>		<b>2,470.5620</b>



### 3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.1133	1.7202	1.4358	4.8100e-003	0.1124	0.0245	0.1370	0.0308	0.0226	0.0534		476.8121	476.8121	3.5700e-003		476.8870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
<b>Total</b>	<b>0.1673</b>	<b>1.7933</b>	<b>2.1999</b>	<b>6.5900e-003</b>	<b>0.2577</b>	<b>0.0259</b>	<b>0.2836</b>	<b>0.0693</b>	<b>0.0238</b>	<b>0.0931</b>		<b>621.9617</b>	<b>621.9617</b>	<b>0.0116</b>		<b>622.2054</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9797	0.0000	4.9797	2.5355	0.0000	2.5355			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>4.9797</b>	<b>1.0661</b>	<b>6.0459</b>	<b>2.5355</b>	<b>0.9808</b>	<b>3.5164</b>		<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</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	lb/day										lb/day					
Fugitive Dust					2.2409	0.0000	2.2409	1.1410	0.0000	1.1410			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.1894	1,439.1894	0.4410		1,448.4496
<b>Total</b>	<b>1.8844</b>	<b>19.7889</b>	<b>13.1786</b>	<b>0.0141</b>	<b>2.2409</b>	<b>1.0661</b>	<b>3.3070</b>	<b>1.1410</b>	<b>0.9808</b>	<b>2.1218</b>	<b>0.0000</b>	<b>1,439.1894</b>	<b>1,439.1894</b>	<b>0.4410</b>		<b>1,448.4496</b>

### 3.3 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	lb/day										lb/day					
Hauling	1.2706	19.2911	16.1018	0.0539	1.2608	0.2751	1.5359	0.3452	0.2531	0.5983		5,347.1516	5,347.1516	0.0400		5,347.9921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
<b>Total</b>	<b>1.3039</b>	<b>19.3361</b>	<b>16.5720</b>	<b>0.0550</b>	<b>1.3502</b>	<b>0.2759</b>	<b>1.6261</b>	<b>0.3689</b>	<b>0.2538</b>	<b>0.6227</b>		<b>5,436.4744</b>	<b>5,436.4744</b>	<b>0.0450</b>		<b>5,437.4188</b>

### 3.4 Building Construction - 2017

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.3385	3.2694	4.6963	8.7200e-003	0.2496	0.0492	0.2988	0.0710	0.0453	0.1163		859.6026	859.6026	6.4500e-003			859.7379
Worker	0.4529	0.6128	6.4067	0.0149	1.2184	0.0110	1.2294	0.3231	0.0102	0.3333		1,217.0236	1,217.0236	0.0674			1,218.4390
<b>Total</b>	<b>0.7914</b>	<b>3.8822</b>	<b>11.1030</b>	<b>0.0237</b>	<b>1.4679</b>	<b>0.0603</b>	<b>1.5282</b>	<b>0.3941</b>	<b>0.0555</b>	<b>0.4496</b>		<b>2,076.6262</b>	<b>2,076.6262</b>	<b>0.0739</b>			<b>2,078.1769</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	lb/day										lb/day						
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268			2,043.2497
<b>Total</b>	<b>2.9546</b>	<b>19.1088</b>	<b>14.3110</b>	<b>0.0220</b>		<b>1.2257</b>	<b>1.2257</b>		<b>1.1823</b>	<b>1.1823</b>	<b>0.0000</b>	<b>2,034.2860</b>	<b>2,034.2860</b>	<b>0.4268</b>			<b>2,043.2497</b>

### 3.4 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	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	0.3385	3.2694	4.6963	8.7200e-003	0.2496	0.0492	0.2988	0.0710	0.0453	0.1163		859.6026	859.6026	6.4500e-003			859.7379
Worker	0.4529	0.6128	6.4067	0.0149	1.2184	0.0110	1.2294	0.3231	0.0102	0.3333		1,217.0236	1,217.0236	0.0674			1,218.4390
<b>Total</b>	<b>0.7914</b>	<b>3.8822</b>	<b>11.1030</b>	<b>0.0237</b>	<b>1.4679</b>	<b>0.0603</b>	<b>1.5282</b>	<b>0.3941</b>	<b>0.0555</b>	<b>0.4496</b>		<b>2,076.6262</b>	<b>2,076.6262</b>	<b>0.0739</b>			<b>2,078.1769</b>

### 3.4 Building Construction - 2018

#### Unmitigated Construction On-Site

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

### 3.4 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	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	0.3176	3.0045	4.5160	8.7100e-003	0.2496	0.0464	0.2960	0.0710	0.0427	0.1137		845.3915	845.3915	6.4200e-003			845.5262
Worker	0.4068	0.5562	5.7962	0.0149	1.2184	0.0107	1.2291	0.3231	9.8900e-003	0.3330		1,172.3950	1,172.3950	0.0626			1,173.7096
<b>Total</b>	<b>0.7244</b>	<b>3.5607</b>	<b>10.3121</b>	<b>0.0237</b>	<b>1.4680</b>	<b>0.0571</b>	<b>1.5250</b>	<b>0.3942</b>	<b>0.0526</b>	<b>0.4467</b>		<b>2,017.7865</b>	<b>2,017.7865</b>	<b>0.0690</b>			<b>2,019.2359</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	lb/day										lb/day						
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059			2,029.9373
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8357</b>	<b>0.0220</b>		<b>1.0532</b>	<b>1.0532</b>		<b>1.0172</b>	<b>1.0172</b>	<b>0.0000</b>	<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>			<b>2,029.9373</b>

### 3.4 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	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	0.3176	3.0045	4.5160	8.7100e-003	0.2496	0.0464	0.2960	0.0710	0.0427	0.1137		845.3915	845.3915	6.4200e-003			845.5262
Worker	0.4068	0.5562	5.7962	0.0149	1.2184	0.0107	1.2291	0.3231	9.8900e-003	0.3330		1,172.3950	1,172.3950	0.0626			1,173.7096
<b>Total</b>	<b>0.7244</b>	<b>3.5607</b>	<b>10.3121</b>	<b>0.0237</b>	<b>1.4680</b>	<b>0.0571</b>	<b>1.5250</b>	<b>0.3942</b>	<b>0.0526</b>	<b>0.4467</b>		<b>2,017.7865</b>	<b>2,017.7865</b>	<b>0.0690</b>			<b>2,019.2359</b>

### 3.5 Paving - 2018

#### Unmitigated Construction On-Site

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

### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

#### Mitigated Construction On-Site

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



### 3.5 Paving - 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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003			139.9837
<b>Total</b>	<b>0.0485</b>	<b>0.0663</b>	<b>0.6913</b>	<b>1.7800e-003</b>	<b>0.1453</b>	<b>1.2700e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1800e-003</b>	<b>0.0397</b>		<b>139.8269</b>	<b>139.8269</b>	<b>7.4700e-003</b>			<b>139.9837</b>

### 3.6 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	26.7101					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>27.0088</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 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	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	0.0821	0.1123	1.1699	3.0100e-003	0.2459	2.1600e-003	0.2481	0.0652	2.0000e-003	0.0672		236.6302	236.6302	0.0126		236.8955
<b>Total</b>	<b>0.0821</b>	<b>0.1123</b>	<b>1.1699</b>	<b>3.0100e-003</b>	<b>0.2459</b>	<b>2.1600e-003</b>	<b>0.2481</b>	<b>0.0652</b>	<b>2.0000e-003</b>	<b>0.0672</b>		<b>236.6302</b>	<b>236.6302</b>	<b>0.0126</b>		<b>236.8955</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	lb/day										lb/day					
Archit. Coating	26.7101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>27.0088</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

### 3.6 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	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	0.0821	0.1123	1.1699	3.0100e-003	0.2459	2.1600e-003	0.2481	0.0652	2.0000e-003	0.0672		236.6302	236.6302	0.0126			236.8955
<b>Total</b>	<b>0.0821</b>	<b>0.1123</b>	<b>1.1699</b>	<b>3.0100e-003</b>	<b>0.2459</b>	<b>2.1600e-003</b>	<b>0.2481</b>	<b>0.0652</b>	<b>2.0000e-003</b>	<b>0.0672</b>		<b>236.6302</b>	<b>236.6302</b>	<b>0.0126</b>			<b>236.8955</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	8.8714	17.7894	76.4066	0.1706	11.4186	0.2549	11.6735	3.0536	0.2350	3.2886		13,725.6526	13,725.6526	0.5527			13,737.2597
Unmitigated	8.8714	17.7894	76.4066	0.1706	11.4186	0.2549	11.6735	3.0536	0.2350	3.2886		13,725.6526	13,725.6526	0.5527			13,737.2597

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	92.26	100.24	84.98	315,608	315,608
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	637.26	638.82	464.10	1,462,116	1,462,116
High Turnover (Sit Down Restaurant)	1,884.36	2,347.04	1,953.87	2,671,679	2,671,679
Strip Mall	163.01	154.62	75.14	283,979	283,979
<b>Total</b>	<b>2,776.89</b>	<b>3,240.73</b>	<b>2,578.09</b>	<b>4,733,382</b>	<b>4,733,382</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
Apartments Mid 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
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530902	0.057841	0.178699	0.124790	0.039063	0.006298	0.016951	0.033908	0.002496	0.003149	0.003689	0.000536	0.001678

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1888	1.7144	1.4301	0.0103		0.1304	0.1304		0.1304	0.1304		2,059.1791	2,059.1791	0.0395	0.0378	2,071.7109
NaturalGas Unmitigated	0.1888	1.7144	1.4301	0.0103		0.1304	0.1304		0.1304	0.1304		2,059.1791	2,059.1791	0.0395	0.0378	2,071.7109

### 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					
High Turnover (Sit Down Restaurant)	9460.84	0.1020	0.9275	0.7791	5.5700e-003		0.0705	0.0705		0.0705	0.0705		1,113.0405	1,113.0405	0.0213	0.0204	1,119.8143
Hotel	7763.47	0.0837	0.7611	0.6393	4.5700e-003		0.0579	0.0579		0.0579	0.0579		913.3490	913.3490	0.0175	0.0167	918.9074
Strip Mall	17.1304	1.8000e-004	1.6800e-003	1.4100e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		2.0153	2.0153	4.0000e-005	4.0000e-005	2.0276
Apartments Mid Rise	261.581	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.7743	30.7743	5.9000e-004	5.6000e-004	30.9616
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1888</b>	<b>1.7144</b>	<b>1.4301</b>	<b>0.0103</b>		<b>0.1304</b>	<b>0.1304</b>		<b>0.1304</b>	<b>0.1304</b>		<b>2,059.1791</b>	<b>2,059.1791</b>	<b>0.0395</b>	<b>0.0378</b>	<b>2,071.7109</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	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	9.46084	0.1020	0.9275	0.7791	5.5700e-003		0.0705	0.0705		0.0705	0.0705		1,113.0405	1,113.0405	0.0213	0.0204	1,119.8143
Hotel	7.76347	0.0837	0.7611	0.6393	4.5700e-003		0.0579	0.0579		0.0579	0.0579		913.3490	913.3490	0.0175	0.0167	918.9074
Strip Mall	0.0171304	1.8000e-004	1.6800e-003	1.4100e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		2.0153	2.0153	4.0000e-005	4.0000e-005	2.0276
Apartments Mid Rise	0.261581	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.7743	30.7743	5.9000e-004	5.6000e-004	30.9616
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1888</b>	<b>1.7144</b>	<b>1.4301</b>	<b>0.0103</b>		<b>0.1304</b>	<b>0.1304</b>		<b>0.1304</b>	<b>0.1304</b>		<b>2,059.1791</b>	<b>2,059.1791</b>	<b>0.0395</b>	<b>0.0378</b>	<b>2,071.7109</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5237	0.0138	1.1987	6.0000e-005		0.0225	0.0225		0.0223	0.0223	0.0000	254.1575	254.1575	7.0800e-003	4.6200e-003	255.7385
Unmitigated	6.5237	0.0138	1.1987	6.0000e-005		0.0225	0.0225		0.0223	0.0223	0.0000	254.1575	254.1575	7.0800e-003	4.6200e-003	255.7385

## 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	1.5243					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0231	0.0000	1.2600e-003	0.0000		0.0160	0.0160		0.0158	0.0158	0.0000	252.0000	252.0000	4.8300e-003	4.6200e-003	253.5336
Landscaping	0.0390	0.0138	1.1974	6.0000e-005		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003		2.1575	2.1575	2.2500e-003		2.2048
<b>Total</b>	<b>6.5237</b>	<b>0.0138</b>	<b>1.1987</b>	<b>6.0000e-005</b>		<b>0.0225</b>	<b>0.0225</b>		<b>0.0223</b>	<b>0.0223</b>	<b>0.0000</b>	<b>254.1575</b>	<b>254.1575</b>	<b>7.0800e-003</b>	<b>4.6200e-003</b>	<b>255.7385</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	1.5243					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0231	0.0000	1.2600e-003	0.0000		0.0160	0.0160		0.0158	0.0158	0.0000	252.0000	252.0000	4.8300e-003	4.6200e-003	253.5336
Landscaping	0.0390	0.0138	1.1974	6.0000e-005		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003		2.1575	2.1575	2.2500e-003		2.2048
<b>Total</b>	<b>6.5237</b>	<b>0.0138</b>	<b>1.1987</b>	<b>6.0000e-005</b>		<b>0.0225</b>	<b>0.0225</b>		<b>0.0223</b>	<b>0.0223</b>	<b>0.0000</b>	<b>254.1575</b>	<b>254.1575</b>	<b>7.0800e-003</b>	<b>4.6200e-003</b>	<b>255.7385</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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8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**8555 Santa Monica Boulevard Mixed-Use Alt. 6**  
**Los Angeles-South Coast County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.86	1000sqft	0.00	6,856.00	0
Enclosed Parking with Elevator	349.00	Space	0.00	139,600.00	0
High Turnover (Sit Down Restaurant)	4.98	1000sqft	0.00	4,980.00	0
Apartments Mid Rise	110.00	Dwelling Unit	1.26	110,523.00	315
Strip Mall	13.55	1000sqft	0.00	13,550.00	0
Strip Mall	3.64	1000sqft	0.00	3,643.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Square feet changed per Alt. 6 information. Hair salon modeled as strip mall. Acrerage based on lot size

Construction Phase - Architectural coating changed to overlap with building construction for more realistic scenario. No site prep for project

Demolition - 31116 square feet of existing buildings to be demolished

Architectural Coating - Changed to 50 g/L per SCAQMD Rule 1113

Vehicle Trips - Weighted average for apartments and strip mall. Apartments: 6.5, strip mall: 38.44, office: 11.1, resturant: 127

Woodstoves - Units will not have woodstoves or fireplaces

Area Coating - Changed to 50 per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - Water area 2 times per day, vehicle speed limit, and stabilize soil per SCAQMD Rule 403

Energy Mitigation - Title 24 exceeds 2016 CalEEMod by 28 percent

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	10.00	100.00
tblConstructionPhase	NumDays	4.00	10.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	93.50	0.00
tblFireplaces	NumberNoFireplace	11.00	0.00

## 8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

tblFireplaces	NumberWood	5.50	0.00
tblGrading	AcresOfGrading	3.75	1.50
tblLandUse	BuildingSpaceSquareFeet	6,860.00	6,856.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	110,523.00
tblLandUse	BuildingSpaceSquareFeet	3,640.00	3,643.00
tblLandUse	LandUseSquareFeet	6,860.00	6,856.00
tblLandUse	LandUseSquareFeet	110,000.00	110,523.00
tblLandUse	LandUseSquareFeet	3,640.00	3,643.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	3.14	0.00
tblLandUse	LotAcreage	0.11	0.00
tblLandUse	LotAcreage	2.89	1.26
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.08	0.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	42.04	38.44
tblVehicleTrips	WD_TR	6.65	6.50
tblVehicleTrips	WD_TR	11.03	11.10
tblVehicleTrips	WD_TR	44.32	38.44
tblWoodstoves	NumberCatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**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	3.3271	0.1060	9.1591	4.8000e-004		0.0501	0.0501		0.0501	0.0501	0.0000	16.4235	16.4235	0.0163	0.0000	16.8301
Energy	0.0732	0.6458	0.4140	3.9900e-003		0.0506	0.0506		0.0506	0.0506		798.6794	798.6794	0.0153	0.0146	803.4256
Mobile	5.3971	24.0844	61.0734	0.1731	11.0674	0.2088	11.2762	3.0131	0.1962	3.2093		17,580.5561	17,580.5561	1.1142		17,608.4108
<b>Total</b>	<b>8.7974</b>	<b>24.8362</b>	<b>70.6465</b>	<b>0.1776</b>	<b>11.0674</b>	<b>0.3095</b>	<b>11.3769</b>	<b>3.0131</b>	<b>0.2969</b>	<b>3.3100</b>	<b>0.0000</b>	<b>18,395.6590</b>	<b>18,395.6590</b>	<b>1.1458</b>	<b>0.0146</b>	<b>18,428.6665</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3271	0.1060	9.1591	4.8000e-004		0.0501	0.0501		0.0501	0.0501	0.0000	16.4235	16.4235	0.0163	0.0000	16.8301
Energy	0.0649	0.5737	0.3738	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4071	708.4071	0.0136	0.0130	712.6168
Mobile	5.3971	24.0844	61.0734	0.1731	11.0674	0.2088	11.2762	3.0131	0.1962	3.2093		17,580.5561	17,580.5561	1.1142		17,608.4108
<b>Total</b>	<b>8.7892</b>	<b>24.7641</b>	<b>70.6063</b>	<b>0.1771</b>	<b>11.0674</b>	<b>0.3038</b>	<b>11.3712</b>	<b>3.0131</b>	<b>0.2912</b>	<b>3.3043</b>	<b>0.0000</b>	<b>18,305.3867</b>	<b>18,305.3867</b>	<b>1.1440</b>	<b>0.0130</b>	<b>18,337.8577</b>

## 8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	0.09	0.29	0.06	0.25	0.00	1.85	0.05	0.00	1.92	0.17	0.00	0.49	0.49	0.15	11.27	0.49

### 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	Demolition	Demolition	6/5/2017	6/30/2017	5	20	
2	Grading	Grading	7/1/2017	7/14/2017	5	10	
3	Building Construction	Building Construction	7/15/2017	4/20/2018	5	200	
4	Paving	Paving	4/21/2018	5/4/2018	5	10	
5	Architectural Coating	Architectural Coating	5/5/2018	9/21/2018	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 223,809; Residential Outdoor: 74,603; Non-Residential Indoor: 43,544; Non-Residential Outdoor: 14,515; Striped Parking Area: 8,376 (Architectural Coating – sqft)

#### OffRoad Equipment

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	148.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5315	0.0000	1.5315	0.2319	0.0000	0.2319			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404		2,421.4229	2,421.4229	0.6125		2,436.7347
<b>Total</b>	<b>2.7625</b>	<b>26.7594</b>	<b>15.5573</b>	<b>0.0241</b>	<b>1.5315</b>	<b>1.6477</b>	<b>3.1791</b>	<b>0.2319</b>	<b>1.5404</b>	<b>1.7723</b>		<b>2,421.4229</b>	<b>2,421.4229</b>	<b>0.6125</b>		<b>2,436.7347</b>



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**3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.0821	2.5042	0.5396	5.7200e-003	0.1241	0.0132	0.1374	0.0340	0.0127	0.0467		616.6588	616.6588	0.0455		617.7973
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	0.0899	0.0691	0.7409	1.5900e-003	0.1453	1.3500e-003	0.1467	0.0385	1.2500e-003	0.0398		157.8087	157.8087	6.5900e-003		157.9735
<b>Total</b>	<b>0.1720</b>	<b>2.5732</b>	<b>1.2805</b>	<b>7.3100e-003</b>	<b>0.2694</b>	<b>0.0146</b>	<b>0.2840</b>	<b>0.0726</b>	<b>0.0139</b>	<b>0.0865</b>		<b>774.4675</b>	<b>774.4675</b>	<b>0.0521</b>		<b>775.7708</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	lb/day										lb/day					
Fugitive Dust					0.5674	0.0000	0.5674	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404	0.0000	2,421.4229	2,421.4229	0.6125		2,436.7347
<b>Total</b>	<b>2.7625</b>	<b>26.7594</b>	<b>15.5573</b>	<b>0.0241</b>	<b>0.5674</b>	<b>1.6477</b>	<b>2.2151</b>	<b>0.0859</b>	<b>1.5404</b>	<b>1.6263</b>	<b>0.0000</b>	<b>2,421.4229</b>	<b>2,421.4229</b>	<b>0.6125</b>		<b>2,436.7347</b>

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**3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.0821	2.5042	0.5396	5.7200e-003	0.1241	0.0132	0.1374	0.0340	0.0127	0.0467		616.6588	616.6588	0.0455		617.7973
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	0.0899	0.0691	0.7409	1.5900e-003	0.1453	1.3500e-003	0.1467	0.0385	1.2500e-003	0.0398		157.8087	157.8087	6.5900e-003		157.9735
<b>Total</b>	<b>0.1720</b>	<b>2.5732</b>	<b>1.2805</b>	<b>7.3100e-003</b>	<b>0.2694</b>	<b>0.0146</b>	<b>0.2840</b>	<b>0.0726</b>	<b>0.0139</b>	<b>0.0865</b>		<b>774.4675</b>	<b>774.4675</b>	<b>0.0521</b>		<b>775.7708</b>

**3.3 Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6756	0.0000	4.6756	2.4999	0.0000	2.4999			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039		1,444.8958	1,444.8958	0.4427		1,455.9636
<b>Total</b>	<b>1.6023</b>	<b>18.2915</b>	<b>7.0342</b>	<b>0.0141</b>	<b>4.6756</b>	<b>0.8738</b>	<b>5.5494</b>	<b>2.4999</b>	<b>0.8039</b>	<b>3.3037</b>		<b>1,444.8958</b>	<b>1,444.8958</b>	<b>0.4427</b>		<b>1,455.9636</b>

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**3.3 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	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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
<b>Total</b>	<b>0.0553</b>	<b>0.0425</b>	<b>0.4559</b>	<b>9.8000e-004</b>	<b>0.0894</b>	<b>8.3000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>7.7000e-004</b>	<b>0.0245</b>		<b>97.1130</b>	<b>97.1130</b>	<b>4.0600e-003</b>		<b>97.2145</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	lb/day										lb/day					
Fugitive Dust					1.7323	0.0000	1.7323	0.9262	0.0000	0.9262			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039	0.0000	1,444.8958	1,444.8958	0.4427		1,455.9636
<b>Total</b>	<b>1.6023</b>	<b>18.2915</b>	<b>7.0342</b>	<b>0.0141</b>	<b>1.7323</b>	<b>0.8738</b>	<b>2.6061</b>	<b>0.9262</b>	<b>0.8039</b>	<b>1.7300</b>	<b>0.0000</b>	<b>1,444.8958</b>	<b>1,444.8958</b>	<b>0.4427</b>		<b>1,455.9636</b>

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**3.3 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	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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
<b>Total</b>	<b>0.0553</b>	<b>0.0425</b>	<b>0.4559</b>	<b>9.8000e-004</b>	<b>0.0894</b>	<b>8.3000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>7.7000e-004</b>	<b>0.0245</b>		<b>97.1130</b>	<b>97.1130</b>	<b>4.0600e-003</b>		<b>97.2145</b>

**3.4 Building Construction - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085
<b>Total</b>	<b>2.9653</b>	<b>19.2365</b>	<b>14.3568</b>	<b>0.0220</b>		<b>1.2313</b>	<b>1.2313</b>		<b>1.1875</b>	<b>1.1875</b>		<b>2,043.8641</b>	<b>2,043.8641</b>	<b>0.4298</b>		<b>2,054.6085</b>

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**3.4 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	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	0.2119	5.1027	1.5856	0.0101	0.2497	0.0432	0.2929	0.0719	0.0414	0.1133		1,073.4299	1,073.4299	0.0812		1,075.4607
Worker	1.0234	0.7861	8.4349	0.0181	1.6543	0.0154	1.6697	0.4387	0.0142	0.4529		1,796.5910	1,796.5910	0.0751		1,798.4680
<b>Total</b>	<b>1.2353</b>	<b>5.8889</b>	<b>10.0205</b>	<b>0.0282</b>	<b>1.9040</b>	<b>0.0586</b>	<b>1.9626</b>	<b>0.5106</b>	<b>0.0556</b>	<b>0.5662</b>		<b>2,870.0209</b>	<b>2,870.0209</b>	<b>0.1563</b>		<b>2,873.9287</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	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.8641	2,043.8641	0.4298		2,054.6085
<b>Total</b>	<b>2.9653</b>	<b>19.2365</b>	<b>14.3568</b>	<b>0.0220</b>		<b>1.2313</b>	<b>1.2313</b>		<b>1.1875</b>	<b>1.1875</b>	<b>0.0000</b>	<b>2,043.8641</b>	<b>2,043.8641</b>	<b>0.4298</b>		<b>2,054.6085</b>

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**3.4 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	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	0.2119	5.1027	1.5856	0.0101	0.2497	0.0432	0.2929	0.0719	0.0414	0.1133		1,073.4299	1,073.4299	0.0812		1,075.4607
Worker	1.0234	0.7861	8.4349	0.0181	1.6543	0.0154	1.6697	0.4387	0.0142	0.4529		1,796.5910	1,796.5910	0.0751		1,798.4680
<b>Total</b>	<b>1.2353</b>	<b>5.8889</b>	<b>10.0205</b>	<b>0.0282</b>	<b>1.9040</b>	<b>0.0586</b>	<b>1.9626</b>	<b>0.5106</b>	<b>0.0556</b>	<b>0.5662</b>		<b>2,870.0209</b>	<b>2,870.0209</b>	<b>0.1563</b>		<b>2,873.9287</b>

**3.4 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596
<b>Total</b>	<b>2.5919</b>	<b>17.4280</b>	<b>13.8766</b>	<b>0.0220</b>		<b>1.0580</b>	<b>1.0580</b>		<b>1.0216</b>	<b>1.0216</b>		<b>2,030.8389</b>	<b>2,030.8389</b>	<b>0.4088</b>		<b>2,041.0596</b>

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**3.4 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	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	0.1870	4.7906	1.4365	0.0100	0.2497	0.0342	0.2839	0.0719	0.0327	0.1046		1,069.1844	1,069.1844	0.0771		1,071.1130
Worker	0.9050	0.6833	7.3596	0.0176	1.6543	0.0148	1.6690	0.4387	0.0136	0.4523		1,747.2524	1,747.2524	0.0658		1,748.8963
<b>Total</b>	<b>1.0920</b>	<b>5.4739</b>	<b>8.7961</b>	<b>0.0276</b>	<b>1.9040</b>	<b>0.0490</b>	<b>1.9529</b>	<b>0.5106</b>	<b>0.0463</b>	<b>0.5569</b>		<b>2,816.4369</b>	<b>2,816.4369</b>	<b>0.1429</b>		<b>2,820.0094</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	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596
<b>Total</b>	<b>2.5919</b>	<b>17.4280</b>	<b>13.8766</b>	<b>0.0220</b>		<b>1.0580</b>	<b>1.0580</b>		<b>1.0216</b>	<b>1.0216</b>	<b>0.0000</b>	<b>2,030.8389</b>	<b>2,030.8389</b>	<b>0.4088</b>		<b>2,041.0596</b>

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**3.4 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	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	0.1870	4.7906	1.4365	0.0100	0.2497	0.0342	0.2839	0.0719	0.0327	0.1046		1,069.1844	1,069.1844	0.0771		1,071.1130
Worker	0.9050	0.6833	7.3596	0.0176	1.6543	0.0148	1.6690	0.4387	0.0136	0.4523		1,747.2524	1,747.2524	0.0658		1,748.8963
<b>Total</b>	<b>1.0920</b>	<b>5.4739</b>	<b>8.7961</b>	<b>0.0276</b>	<b>1.9040</b>	<b>0.0490</b>	<b>1.9529</b>	<b>0.5106</b>	<b>0.0463</b>	<b>0.5569</b>		<b>2,816.4369</b>	<b>2,816.4369</b>	<b>0.1429</b>		<b>2,820.0094</b>

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0182</b>	<b>10.4525</b>	<b>8.9926</b>	<b>0.0135</b>		<b>0.6097</b>	<b>0.6097</b>		<b>0.5618</b>	<b>0.5618</b>		<b>1,346.4360</b>	<b>1,346.4360</b>	<b>0.4113</b>		<b>1,356.7186</b>



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**3.5 Paving - 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	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	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193
<b>Total</b>	<b>0.0795</b>	<b>0.0600</b>	<b>0.6465</b>	<b>1.5400e-003</b>	<b>0.1453</b>	<b>1.3000e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1900e-003</b>	<b>0.0397</b>		<b>153.4749</b>	<b>153.4749</b>	<b>5.7800e-003</b>		<b>153.6193</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	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0182</b>	<b>10.4525</b>	<b>8.9926</b>	<b>0.0135</b>		<b>0.6097</b>	<b>0.6097</b>		<b>0.5618</b>	<b>0.5618</b>	<b>0.0000</b>	<b>1,346.4360</b>	<b>1,346.4360</b>	<b>0.4113</b>		<b>1,356.7186</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**3.5 Paving - 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	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	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193
<b>Total</b>	<b>0.0795</b>	<b>0.0600</b>	<b>0.6465</b>	<b>1.5400e-003</b>	<b>0.1453</b>	<b>1.3000e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1900e-003</b>	<b>0.0397</b>		<b>153.4749</b>	<b>153.4749</b>	<b>5.7800e-003</b>		<b>153.6193</b>

**3.6 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	8.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>8.9481</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

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**3.6 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	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	0.1834	0.1385	1.4918	3.5600e-003	0.3353	2.9900e-003	0.3383	0.0889	2.7600e-003	0.0917		354.1728	354.1728	0.0133		354.5060
<b>Total</b>	<b>0.1834</b>	<b>0.1385</b>	<b>1.4918</b>	<b>3.5600e-003</b>	<b>0.3353</b>	<b>2.9900e-003</b>	<b>0.3383</b>	<b>0.0889</b>	<b>2.7600e-003</b>	<b>0.0917</b>		<b>354.1728</b>	<b>354.1728</b>	<b>0.0133</b>		<b>354.5060</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	lb/day										lb/day					
Archit. Coating	8.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>8.9481</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

### 3.6 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	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	0.1834	0.1385	1.4918	3.5600e-003	0.3353	2.9900e-003	0.3383	0.0889	2.7600e-003	0.0917		354.1728	354.1728	0.0133		354.5060
<b>Total</b>	<b>0.1834</b>	<b>0.1385</b>	<b>1.4918</b>	<b>3.5600e-003</b>	<b>0.3353</b>	<b>2.9900e-003</b>	<b>0.3383</b>	<b>0.0889</b>	<b>2.7600e-003</b>	<b>0.0917</b>		<b>354.1728</b>	<b>354.1728</b>	<b>0.0133</b>		<b>354.5060</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	5.3971	24.0844	61.0734	0.1731	11.0674	0.2088	11.2762	3.0131	0.1962	3.2093		17,580.5561	17,580.5561	1.1142		17,608.4108
Unmitigated	5.3971	24.0844	61.0734	0.1731	11.0674	0.2088	11.2762	3.0131	0.1962	3.2093		17,580.5561	17,580.5561	1.1142		17,608.4108

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	715.00	702.90	644.60	2,402,990	2,402,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	76.15	16.88	7.20	186,296	186,296
High Turnover (Sit Down Restaurant)	633.21	788.68	656.56	897,771	897,771
Strip Mall	520.86	520.86	276.83	924,661	924,661
Strip Mall	139.92	139.92	74.37	248,396	248,396
<b>Total</b>	<b>2,085.14</b>	<b>2,169.24</b>	<b>1,659.56</b>	<b>4,660,114</b>	<b>4,660,114</b>

4.3 Trip Type Information

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

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
Apartments Mid 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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Enclosed Parking with Elevator	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
High Turnover (Sit Down Restaurant)	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Apartments Mid Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Strip Mall	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Strip Mall	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	0.0649	0.5737	0.3738	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4071	708.4071	0.0136	0.0130	712.6168
NaturalGas Unmitigated	0.0732	0.6458	0.4140	3.9900e-003		0.0506	0.0506		0.0506	0.0506		798.6794	798.6794	0.0153	0.0146	803.4256

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**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					
Apartments Mid Rise	3363.26	0.0363	0.3100	0.1319	1.9800e-003		0.0251	0.0251		0.0251	0.0251		395.6777	395.6777	7.5800e-003	7.2500e-003	398.0290
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	196.476	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003		23.1148	23.1148	4.4000e-004	4.2000e-004	23.2522
High Turnover (Sit Down Restaurant)	3151.32	0.0340	0.3090	0.2595	1.8500e-003		0.0235	0.0235		0.0235	0.0235		370.7431	370.7431	7.1100e-003	6.8000e-003	372.9463
Strip Mall	16.4684	1.8000e-004	1.6100e-003	1.3600e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.9375	1.9375	4.0000e-005	4.0000e-005	1.9490
Strip Mall	61.2534	6.6000e-004	6.0100e-003	5.0400e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.2063	7.2063	1.4000e-004	1.3000e-004	7.2491
<b>Total</b>		<b>0.0732</b>	<b>0.6458</b>	<b>0.4140</b>	<b>4.0000e-003</b>		<b>0.0506</b>	<b>0.0506</b>		<b>0.0506</b>	<b>0.0506</b>		<b>798.6794</b>	<b>798.6794</b>	<b>0.0153</b>	<b>0.0146</b>	<b>803.4256</b>



8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**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	lb/day										lb/day					
Apartments Mid Rise	2.8292	0.0305	0.2607	0.1110	1.6600e-003		0.0211	0.0211		0.0211	0.0211		332.8476	332.8476	6.3800e-003	6.1000e-003	334.8255
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.143514	1.5500e-003	0.0141	0.0118	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.8840	16.8840	3.2000e-004	3.1000e-004	16.9843
High Turnover (Sit Down Restaurant)	2.98632	0.0322	0.2928	0.2459	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3317	351.3317	6.7300e-003	6.4400e-003	353.4194
Strip Mall	0.0132266	1.4000e-004	1.3000e-003	1.0900e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		1.5561	1.5561	3.0000e-005	3.0000e-005	1.5653
Strip Mall	0.0491958	5.3000e-004	4.8200e-003	4.0500e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.7877	5.7877	1.1000e-004	1.1000e-004	5.8221
<b>Total</b>		<b>0.0649</b>	<b>0.5737</b>	<b>0.3738</b>	<b>3.5400e-003</b>		<b>0.0449</b>	<b>0.0449</b>		<b>0.0449</b>	<b>0.0449</b>		<b>708.4071</b>	<b>708.4071</b>	<b>0.0136</b>	<b>0.0130</b>	<b>712.6168</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.3271	0.1060	9.1591	4.8000e-004		0.0501	0.0501		0.0501	0.0501	0.0000	16.4235	16.4235	0.0163	0.0000	16.8301
Unmitigated	3.3271	0.1060	9.1591	4.8000e-004		0.0501	0.0501		0.0501	0.0501	0.0000	16.4235	16.4235	0.0163	0.0000	16.8301

**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	0.2317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8126					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	0.2829	0.1060	9.1591	4.8000e-004		0.0501	0.0501		0.0501	0.0501		16.4235	16.4235	0.0163		16.8301
<b>Total</b>	<b>3.3271</b>	<b>0.1060</b>	<b>9.1591</b>	<b>4.8000e-004</b>		<b>0.0501</b>	<b>0.0501</b>		<b>0.0501</b>	<b>0.0501</b>	<b>0.0000</b>	<b>16.4235</b>	<b>16.4235</b>	<b>0.0163</b>	<b>0.0000</b>	<b>16.8301</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**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	0.2317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8126					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	0.2829	0.1060	9.1591	4.8000e-004		0.0501	0.0501		0.0501	0.0501		16.4235	16.4235	0.0163		16.8301
<b>Total</b>	<b>3.3271</b>	<b>0.1060</b>	<b>9.1591</b>	<b>4.8000e-004</b>		<b>0.0501</b>	<b>0.0501</b>		<b>0.0501</b>	<b>0.0501</b>	<b>0.0000</b>	<b>16.4235</b>	<b>16.4235</b>	<b>0.0163</b>	<b>0.0000</b>	<b>16.8301</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 Stationary Equipment**

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8555 Santa Monica Boulevard Mixed-Use Alt. 6 - Los Angeles-South Coast County, Winter

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**8555 Santa Monica Boulevard Mixed-Use Alt. 7**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.86	1000sqft	0.00	6,856.00	0
Enclosed Parking with Elevator	335.00	Space	0.00	134,000.00	0
High Turnover (Sit Down Restaurant)	2.81	1000sqft	0.00	2,810.00	0
Apartments Mid Rise	112.00	Dwelling Unit	1.26	114,843.00	320
Strip Mall	15.65	1000sqft	0.00	15,650.00	0
Strip Mall	3.64	1000sqft	0.00	3,643.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

Project Characteristics - Alt 7

Land Use - Square feet changed per Alt. 7 information. Hair salon modeled as strip mall. Acrerage based on lot size

Construction Phase - Architectural coating changed to overlap with building construction for more realistic scenario. No site prep for project

Demolition - 31116 square feet of existing buildings to be demolished

Architectural Coating - Changed to 50 g/L per SCAQMD Rule 1113

Vehicle Trips - Weighted average for apartments and live work units and retail. Apartments: 6.5, office: 11.1, resturant: 127, strip mall: 36.79

Woodstoves - Units will not have woodstoves or fireplaces

Area Coating - Changed to 50 per SCAQMD Rule 1113

Energy Use -

Construction Off-road Equipment Mitigation - Water area 2 times per day, vehicle speed limit, and stabilize soil per SCAQMD Rule 403

Energy Mitigation - Title 24 exceeds 2016 CalEEMod by 28 percent

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	10.00	100.00
tblConstructionPhase	NumDays	4.00	10.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	95.20	0.00

## 8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

tblFireplaces	NumberNoFireplace	11.20	0.00
tblFireplaces	NumberWood	5.60	0.00
tblGrading	AcresOfGrading	3.75	1.50
tblLandUse	BuildingSpaceSquareFeet	6,860.00	6,856.00
tblLandUse	BuildingSpaceSquareFeet	112,000.00	114,843.00
tblLandUse	BuildingSpaceSquareFeet	3,640.00	3,643.00
tblLandUse	LandUseSquareFeet	6,860.00	6,856.00
tblLandUse	LandUseSquareFeet	112,000.00	114,843.00
tblLandUse	LandUseSquareFeet	3,640.00	3,643.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	3.01	0.00
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	2.95	1.26
tblLandUse	LotAcreage	0.36	0.00
tblLandUse	LotAcreage	0.08	0.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	42.04	36.79
tblVehicleTrips	SU_TR	20.43	36.97
tblVehicleTrips	WD_TR	6.65	6.50
tblVehicleTrips	WD_TR	11.03	11.10
tblVehicleTrips	WD_TR	127.15	127.00
tblVehicleTrips	WD_TR	44.32	36.79
tblWoodstoves	NumberCatalytic	5.60	0.00
tblWoodstoves	NumberNoncatalytic	5.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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**2.0 Emissions Summary**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.6206	29.3326	27.7841	0.0565	4.7651	1.6623	5.6396	2.5236	1.5543	3.3282	0.0000	5,523.0895	5,523.0895	0.6646	0.0000	5,538.8269
2018	13.0485	25.0323	25.8695	0.0558	2.2058	1.2602	3.4660	0.5907	1.2210	1.8116	0.0000	5,447.4798	5,447.4798	0.5905	0.0000	5,462.2415
<b>Maximum</b>	<b>13.6206</b>	<b>29.3326</b>	<b>27.7841</b>	<b>0.0565</b>	<b>4.7651</b>	<b>1.6623</b>	<b>5.6396</b>	<b>2.5236</b>	<b>1.5543</b>	<b>3.3282</b>	<b>0.0000</b>	<b>5,523.0895</b>	<b>5,523.0895</b>	<b>0.6646</b>	<b>0.0000</b>	<b>5,538.8269</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.6206	29.3326	27.7841	0.0565	2.2058	1.6623	3.6719	0.9499	1.5543	2.0097	0.0000	5,523.0895	5,523.0895	0.6646	0.0000	5,538.8269
2018	13.0485	25.0323	25.8695	0.0558	2.2058	1.2602	3.4660	0.5907	1.2210	1.8116	0.0000	5,447.4798	5,447.4798	0.5905	0.0000	5,462.2415
<b>Maximum</b>	<b>13.6206</b>	<b>29.3326</b>	<b>27.7841</b>	<b>0.0565</b>	<b>2.2058</b>	<b>1.6623</b>	<b>3.6719</b>	<b>0.9499</b>	<b>1.5543</b>	<b>2.0097</b>	<b>0.0000</b>	<b>5,523.0895</b>	<b>5,523.0895</b>	<b>0.6646</b>	<b>0.0000</b>	<b>5,538.8269</b>



## 8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	36.71	0.00	21.61	50.53	0.00	25.65	0.00	0.00	0.00	0.00	0.00	0.00

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**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	3.4213	0.1079	9.3234	4.9000e-004		0.0510	0.0510		0.0510	0.0510	0.0000	16.7175	16.7175	0.0166	0.0000	17.1312
Energy	0.0592	0.5177	0.3041	3.2300e-003		0.0409	0.0409		0.0409	0.0409		645.4417	645.4417	0.0124	0.0118	649.2772
Mobile	5.0564	22.7757	58.2182	0.1664	10.4087	0.2004	10.6091	2.8408	0.1883	3.0291		16,897.5594	16,897.5594	1.0636		16,924.1499
<b>Total</b>	<b>8.5369</b>	<b>23.4013</b>	<b>67.8457</b>	<b>0.1701</b>	<b>10.4087</b>	<b>0.2923</b>	<b>10.7010</b>	<b>2.8408</b>	<b>0.2802</b>	<b>3.1210</b>	<b>0.0000</b>	<b>17,559.7186</b>	<b>17,559.7186</b>	<b>1.0925</b>	<b>0.0118</b>	<b>17,590.5583</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4213	0.1079	9.3234	4.9000e-004		0.0510	0.0510		0.0510	0.0510	0.0000	16.7175	16.7175	0.0166	0.0000	17.1312
Energy	0.0515	0.4516	0.2693	2.8100e-003		0.0356	0.0356		0.0356	0.0356		562.2655	562.2655	0.0108	0.0103	565.6068
Mobile	5.0564	22.7757	58.2182	0.1664	10.4087	0.2004	10.6091	2.8408	0.1883	3.0291		16,897.5594	16,897.5594	1.0636		16,924.1499
<b>Total</b>	<b>8.5293</b>	<b>23.3352</b>	<b>67.8109</b>	<b>0.1697</b>	<b>10.4087</b>	<b>0.2870</b>	<b>10.6957</b>	<b>2.8408</b>	<b>0.2749</b>	<b>3.1157</b>	<b>0.0000</b>	<b>17,476.5424</b>	<b>17,476.5424</b>	<b>1.0910</b>	<b>0.0103</b>	<b>17,506.8879</b>

## 8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	0.09	0.28	0.05	0.25	0.00	1.80	0.05	0.00	1.88	0.17	0.00	0.47	0.47	0.15	12.85	0.48

### 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	Demolition	Demolition	6/5/2017	6/30/2017	5	20	
2	Grading	Grading	7/1/2017	7/14/2017	5	10	
3	Building Construction	Building Construction	7/17/2017	4/20/2018	5	200	
4	Architectural Coating	Architectural Coating	10/23/2017	3/9/2018	5	100	
5	Paving	Paving	4/23/2018	5/4/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 232,557; Residential Outdoor: 77,519; Non-Residential Indoor: 43,439; Non-Residential Outdoor: 14,480; Striped Parking Area: 8,040 (Architectural Coating – sqft)

#### OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	146.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5315	0.0000	1.5315	0.2319	0.0000	0.2319			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404		2,421.4229	2,421.4229	0.6125		2,436.7347
<b>Total</b>	<b>2.7625</b>	<b>26.7594</b>	<b>15.5573</b>	<b>0.0241</b>	<b>1.5315</b>	<b>1.6477</b>	<b>3.1791</b>	<b>0.2319</b>	<b>1.5404</b>	<b>1.7723</b>		<b>2,421.4229</b>	<b>2,421.4229</b>	<b>0.6125</b>		<b>2,436.7347</b>

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**3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.0821	2.5042	0.5396	5.7200e-003	0.1241	0.0132	0.1374	0.0340	0.0127	0.0467		616.6588	616.6588	0.0455		617.7973
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	0.0899	0.0691	0.7409	1.5900e-003	0.1453	1.3500e-003	0.1467	0.0385	1.2500e-003	0.0398		157.8087	157.8087	6.5900e-003		157.9735
<b>Total</b>	<b>0.1720</b>	<b>2.5732</b>	<b>1.2805</b>	<b>7.3100e-003</b>	<b>0.2694</b>	<b>0.0146</b>	<b>0.2840</b>	<b>0.0726</b>	<b>0.0139</b>	<b>0.0865</b>		<b>774.4675</b>	<b>774.4675</b>	<b>0.0521</b>		<b>775.7708</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	lb/day										lb/day					
Fugitive Dust					0.5674	0.0000	0.5674	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404	0.0000	2,421.4229	2,421.4229	0.6125		2,436.7347
<b>Total</b>	<b>2.7625</b>	<b>26.7594</b>	<b>15.5573</b>	<b>0.0241</b>	<b>0.5674</b>	<b>1.6477</b>	<b>2.2151</b>	<b>0.0859</b>	<b>1.5404</b>	<b>1.6263</b>	<b>0.0000</b>	<b>2,421.4229</b>	<b>2,421.4229</b>	<b>0.6125</b>		<b>2,436.7347</b>

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**3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.0821	2.5042	0.5396	5.7200e-003	0.1241	0.0132	0.1374	0.0340	0.0127	0.0467		616.6588	616.6588	0.0455		617.7973
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	0.0899	0.0691	0.7409	1.5900e-003	0.1453	1.3500e-003	0.1467	0.0385	1.2500e-003	0.0398		157.8087	157.8087	6.5900e-003		157.9735
<b>Total</b>	<b>0.1720</b>	<b>2.5732</b>	<b>1.2805</b>	<b>7.3100e-003</b>	<b>0.2694</b>	<b>0.0146</b>	<b>0.2840</b>	<b>0.0726</b>	<b>0.0139</b>	<b>0.0865</b>		<b>774.4675</b>	<b>774.4675</b>	<b>0.0521</b>		<b>775.7708</b>

**3.3 Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6756	0.0000	4.6756	2.4999	0.0000	2.4999			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039		1,444.8958	1,444.8958	0.4427		1,455.9636
<b>Total</b>	<b>1.6023</b>	<b>18.2915</b>	<b>7.0342</b>	<b>0.0141</b>	<b>4.6756</b>	<b>0.8738</b>	<b>5.5494</b>	<b>2.4999</b>	<b>0.8039</b>	<b>3.3037</b>		<b>1,444.8958</b>	<b>1,444.8958</b>	<b>0.4427</b>		<b>1,455.9636</b>

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**3.3 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	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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
<b>Total</b>	<b>0.0553</b>	<b>0.0425</b>	<b>0.4559</b>	<b>9.8000e-004</b>	<b>0.0894</b>	<b>8.3000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>7.7000e-004</b>	<b>0.0245</b>		<b>97.1130</b>	<b>97.1130</b>	<b>4.0600e-003</b>		<b>97.2145</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	lb/day										lb/day					
Fugitive Dust					1.7323	0.0000	1.7323	0.9262	0.0000	0.9262			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039	0.0000	1,444.8958	1,444.8958	0.4427		1,455.9636
<b>Total</b>	<b>1.6023</b>	<b>18.2915</b>	<b>7.0342</b>	<b>0.0141</b>	<b>1.7323</b>	<b>0.8738</b>	<b>2.6061</b>	<b>0.9262</b>	<b>0.8039</b>	<b>1.7300</b>	<b>0.0000</b>	<b>1,444.8958</b>	<b>1,444.8958</b>	<b>0.4427</b>		<b>1,455.9636</b>



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**3.3 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	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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
<b>Total</b>	<b>0.0553</b>	<b>0.0425</b>	<b>0.4559</b>	<b>9.8000e-004</b>	<b>0.0894</b>	<b>8.3000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>7.7000e-004</b>	<b>0.0245</b>		<b>97.1130</b>	<b>97.1130</b>	<b>4.0600e-003</b>		<b>97.2145</b>

**3.4 Building Construction - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085
<b>Total</b>	<b>2.9653</b>	<b>19.2365</b>	<b>14.3568</b>	<b>0.0220</b>		<b>1.2313</b>	<b>1.2313</b>		<b>1.1875</b>	<b>1.1875</b>		<b>2,043.8641</b>	<b>2,043.8641</b>	<b>0.4298</b>		<b>2,054.6085</b>

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**3.4 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	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	0.2119	5.1027	1.5856	0.0101	0.2497	0.0432	0.2929	0.0719	0.0414	0.1133		1,073.4299	1,073.4299	0.0812		1,075.4607
Worker	1.0096	0.7755	8.3209	0.0178	1.6319	0.0152	1.6471	0.4328	0.0140	0.4468		1,772.3128	1,772.3128	0.0741		1,774.1643
<b>Total</b>	<b>1.2215</b>	<b>5.8782</b>	<b>9.9065</b>	<b>0.0279</b>	<b>1.8816</b>	<b>0.0584</b>	<b>1.9400</b>	<b>0.5047</b>	<b>0.0554</b>	<b>0.5601</b>		<b>2,845.7426</b>	<b>2,845.7426</b>	<b>0.1553</b>		<b>2,849.6250</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	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.8641	2,043.8641	0.4298		2,054.6085
<b>Total</b>	<b>2.9653</b>	<b>19.2365</b>	<b>14.3568</b>	<b>0.0220</b>		<b>1.2313</b>	<b>1.2313</b>		<b>1.1875</b>	<b>1.1875</b>	<b>0.0000</b>	<b>2,043.8641</b>	<b>2,043.8641</b>	<b>0.4298</b>		<b>2,054.6085</b>

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**3.4 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	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	0.2119	5.1027	1.5856	0.0101	0.2497	0.0432	0.2929	0.0719	0.0414	0.1133		1,073.4299	1,073.4299	0.0812		1,075.4607
Worker	1.0096	0.7755	8.3209	0.0178	1.6319	0.0152	1.6471	0.4328	0.0140	0.4468		1,772.3128	1,772.3128	0.0741		1,774.1643
<b>Total</b>	<b>1.2215</b>	<b>5.8782</b>	<b>9.9065</b>	<b>0.0279</b>	<b>1.8816</b>	<b>0.0584</b>	<b>1.9400</b>	<b>0.5047</b>	<b>0.0554</b>	<b>0.5601</b>		<b>2,845.7426</b>	<b>2,845.7426</b>	<b>0.1553</b>		<b>2,849.6250</b>

**3.4 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596
<b>Total</b>	<b>2.5919</b>	<b>17.4280</b>	<b>13.8766</b>	<b>0.0220</b>		<b>1.0580</b>	<b>1.0580</b>		<b>1.0216</b>	<b>1.0216</b>		<b>2,030.8389</b>	<b>2,030.8389</b>	<b>0.4088</b>		<b>2,041.0596</b>

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**3.4 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	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	0.1870	4.7906	1.4365	0.0100	0.2497	0.0342	0.2839	0.0719	0.0327	0.1046		1,069.1844	1,069.1844	0.0771		1,071.1130
Worker	0.8928	0.6741	7.2601	0.0173	1.6319	0.0146	1.6465	0.4328	0.0134	0.4462		1,723.6409	1,723.6409	0.0649		1,725.2626
<b>Total</b>	<b>1.0797</b>	<b>5.4647</b>	<b>8.6967</b>	<b>0.0274</b>	<b>1.8816</b>	<b>0.0488</b>	<b>1.9304</b>	<b>0.5047</b>	<b>0.0462</b>	<b>0.5508</b>		<b>2,792.8254</b>	<b>2,792.8254</b>	<b>0.1420</b>		<b>2,796.3756</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	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596
<b>Total</b>	<b>2.5919</b>	<b>17.4280</b>	<b>13.8766</b>	<b>0.0220</b>		<b>1.0580</b>	<b>1.0580</b>		<b>1.0216</b>	<b>1.0216</b>	<b>0.0000</b>	<b>2,030.8389</b>	<b>2,030.8389</b>	<b>0.4088</b>		<b>2,041.0596</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**3.4 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	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	0.1870	4.7906	1.4365	0.0100	0.2497	0.0342	0.2839	0.0719	0.0327	0.1046		1,069.1844	1,069.1844	0.0771		1,071.1130
Worker	0.8928	0.6741	7.2601	0.0173	1.6319	0.0146	1.6465	0.4328	0.0134	0.4462		1,723.6409	1,723.6409	0.0649		1,725.2626
<b>Total</b>	<b>1.0797</b>	<b>5.4647</b>	<b>8.6967</b>	<b>0.0274</b>	<b>1.8816</b>	<b>0.0488</b>	<b>1.9304</b>	<b>0.5047</b>	<b>0.0462</b>	<b>0.5508</b>		<b>2,792.8254</b>	<b>2,792.8254</b>	<b>0.1420</b>		<b>2,796.3756</b>

**3.5 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	8.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
<b>Total</b>	<b>9.2333</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.1909</b>

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**3.5 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	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	0.2005	0.1540	1.6528	3.5400e-003	0.3242	3.0200e-003	0.3272	0.0860	2.7800e-003	0.0888		352.0347	352.0347	0.0147		352.4025
<b>Total</b>	<b>0.2005</b>	<b>0.1540</b>	<b>1.6528</b>	<b>3.5400e-003</b>	<b>0.3242</b>	<b>3.0200e-003</b>	<b>0.3272</b>	<b>0.0860</b>	<b>2.7800e-003</b>	<b>0.0888</b>		<b>352.0347</b>	<b>352.0347</b>	<b>0.0147</b>		<b>352.4025</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	lb/day										lb/day					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
<b>Total</b>	<b>9.2333</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.1909</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**3.5 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	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	0.2005	0.1540	1.6528	3.5400e-003	0.3242	3.0200e-003	0.3272	0.0860	2.7800e-003	0.0888		352.0347	352.0347	0.0147		352.4025
<b>Total</b>	<b>0.2005</b>	<b>0.1540</b>	<b>1.6528</b>	<b>3.5400e-003</b>	<b>0.3242</b>	<b>3.0200e-003</b>	<b>0.3272</b>	<b>0.0860</b>	<b>2.7800e-003</b>	<b>0.0888</b>		<b>352.0347</b>	<b>352.0347</b>	<b>0.0147</b>		<b>352.4025</b>

**3.5 Architectural Coating - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>9.1996</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

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**3.5 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	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	0.1773	0.1339	1.4421	3.4400e-003	0.3242	2.8900e-003	0.3270	0.0860	2.6600e-003	0.0886		342.3670	342.3670	0.0129		342.6892
<b>Total</b>	<b>0.1773</b>	<b>0.1339</b>	<b>1.4421</b>	<b>3.4400e-003</b>	<b>0.3242</b>	<b>2.8900e-003</b>	<b>0.3270</b>	<b>0.0860</b>	<b>2.6600e-003</b>	<b>0.0886</b>		<b>342.3670</b>	<b>342.3670</b>	<b>0.0129</b>		<b>342.6892</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	lb/day										lb/day					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>9.1996</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>



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**3.5 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	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	0.1773	0.1339	1.4421	3.4400e-003	0.3242	2.8900e-003	0.3270	0.0860	2.6600e-003	0.0886		342.3670	342.3670	0.0129		342.6892
<b>Total</b>	<b>0.1773</b>	<b>0.1339</b>	<b>1.4421</b>	<b>3.4400e-003</b>	<b>0.3242</b>	<b>2.8900e-003</b>	<b>0.3270</b>	<b>0.0860</b>	<b>2.6600e-003</b>	<b>0.0886</b>		<b>342.3670</b>	<b>342.3670</b>	<b>0.0129</b>		<b>342.6892</b>

**3.6 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0182</b>	<b>10.4525</b>	<b>8.9926</b>	<b>0.0135</b>		<b>0.6097</b>	<b>0.6097</b>		<b>0.5618</b>	<b>0.5618</b>		<b>1,346.4360</b>	<b>1,346.4360</b>	<b>0.4113</b>		<b>1,356.7186</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**3.6 Paving - 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	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	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193
<b>Total</b>	<b>0.0795</b>	<b>0.0600</b>	<b>0.6465</b>	<b>1.5400e-003</b>	<b>0.1453</b>	<b>1.3000e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1900e-003</b>	<b>0.0397</b>		<b>153.4749</b>	<b>153.4749</b>	<b>5.7800e-003</b>		<b>153.6193</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	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0182</b>	<b>10.4525</b>	<b>8.9926</b>	<b>0.0135</b>		<b>0.6097</b>	<b>0.6097</b>		<b>0.5618</b>	<b>0.5618</b>	<b>0.0000</b>	<b>1,346.4360</b>	<b>1,346.4360</b>	<b>0.4113</b>		<b>1,356.7186</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**3.6 Paving - 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	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	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193
<b>Total</b>	<b>0.0795</b>	<b>0.0600</b>	<b>0.6465</b>	<b>1.5400e-003</b>	<b>0.1453</b>	<b>1.3000e-003</b>	<b>0.1466</b>	<b>0.0385</b>	<b>1.1900e-003</b>	<b>0.0397</b>		<b>153.4749</b>	<b>153.4749</b>	<b>5.7800e-003</b>		<b>153.6193</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	5.0564	22.7757	58.2182	0.1664	10.4087	0.2004	10.6091	2.8408	0.1883	3.0291		16,897.5594	16,897.5594	1.0636		16,924.1499
Unmitigated	5.0564	22.7757	58.2182	0.1664	10.4087	0.2004	10.6091	2.8408	0.1883	3.0291		16,897.5594	16,897.5594	1.0636		16,924.1499

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	728.00	715.68	656.32	2,446,681	2,446,681
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	76.15	16.88	7.20	186,296	186,296
High Turnover (Sit Down Restaurant)	356.87	445.02	370.47	506,163	506,163
Strip Mall	575.76	575.76	578.58	1,096,211	1,096,211
Strip Mall	133.92	133.92	134.57	254,965	254,965
<b>Total</b>	<b>1,870.70</b>	<b>1,887.25</b>	<b>1,747.14</b>	<b>4,490,316</b>	<b>4,490,316</b>

4.3 Trip Type Information

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

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
Apartments Mid 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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Enclosed Parking with Elevator	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
High Turnover (Sit Down Restaurant)	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Apartments Mid Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Strip Mall	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Strip Mall	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	0.0515	0.4516	0.2693	2.8100e-003		0.0356	0.0356		0.0356	0.0356		562.2655	562.2655	0.0108	0.0103	565.6068
NaturalGas Unmitigated	0.0592	0.5177	0.3041	3.2300e-003		0.0409	0.0409		0.0409	0.0409		645.4417	645.4417	0.0124	0.0118	649.2772

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**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					
Apartments Mid Rise	3424.41	0.0369	0.3156	0.1343	2.0100e-003		0.0255	0.0255		0.0255	0.0255		402.8719	402.8719	7.7200e-003	7.3900e-003	405.2659
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	196.476	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003		23.1148	23.1148	4.4000e-004	4.2000e-004	23.2522
High Turnover (Sit Down Restaurant)	1778.15	0.0192	0.1743	0.1464	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.1944	209.1944	4.0100e-003	3.8400e-003	210.4376
Strip Mall	16.4684	1.8000e-004	1.6100e-003	1.3600e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.9375	1.9375	4.0000e-005	4.0000e-005	1.9490
Strip Mall	70.7466	7.6000e-004	6.9400e-003	5.8300e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		8.3231	8.3231	1.6000e-004	1.5000e-004	8.3726
<b>Total</b>		<b>0.0592</b>	<b>0.5177</b>	<b>0.3041</b>	<b>3.2300e-003</b>		<b>0.0409</b>	<b>0.0409</b>		<b>0.0409</b>	<b>0.0409</b>		<b>645.4417</b>	<b>645.4417</b>	<b>0.0124</b>	<b>0.0118</b>	<b>649.2772</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**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	lb/day										lb/day					
Apartments Mid Rise	2.88064	0.0311	0.2655	0.1130	1.6900e-003		0.0215	0.0215		0.0215	0.0215		338.8994	338.8994	6.5000e-003	6.2100e-003	340.9133
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.143514	1.5500e-003	0.0141	0.0118	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.8840	16.8840	3.2000e-004	3.1000e-004	16.9843
High Turnover (Sit Down Restaurant)	1.68505	0.0182	0.1652	0.1388	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.2414	198.2414	3.8000e-003	3.6300e-003	199.4194
Strip Mall	0.0132266	1.4000e-004	1.3000e-003	1.0900e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		1.5561	1.5561	3.0000e-005	3.0000e-005	1.5653
Strip Mall	0.0568202	6.1000e-004	5.5700e-003	4.6800e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6847	6.6847	1.3000e-004	1.2000e-004	6.7245
<b>Total</b>		<b>0.0515</b>	<b>0.4516</b>	<b>0.2693</b>	<b>2.8000e-003</b>		<b>0.0356</b>	<b>0.0356</b>		<b>0.0356</b>	<b>0.0356</b>		<b>562.2655</b>	<b>562.2655</b>	<b>0.0108</b>	<b>0.0103</b>	<b>565.6068</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.4213	0.1079	9.3234	4.9000e-004		0.0510	0.0510		0.0510	0.0510	0.0000	16.7175	16.7175	0.0166	0.0000	17.1312
Unmitigated	3.4213	0.1079	9.3234	4.9000e-004		0.0510	0.0510		0.0510	0.0510	0.0000	16.7175	16.7175	0.0166	0.0000	17.1312

**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	0.2388					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8947					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	0.2878	0.1079	9.3234	4.9000e-004		0.0510	0.0510		0.0510	0.0510		16.7175	16.7175	0.0166		17.1312
<b>Total</b>	<b>3.4213</b>	<b>0.1079</b>	<b>9.3234</b>	<b>4.9000e-004</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0510</b>	<b>0.0510</b>	<b>0.0000</b>	<b>16.7175</b>	<b>16.7175</b>	<b>0.0166</b>	<b>0.0000</b>	<b>17.1312</b>

8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**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	0.2388					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8947					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	0.2878	0.1079	9.3234	4.9000e-004		0.0510	0.0510		0.0510	0.0510		16.7175	16.7175	0.0166		17.1312
<b>Total</b>	<b>3.4213</b>	<b>0.1079</b>	<b>9.3234</b>	<b>4.9000e-004</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0510</b>	<b>0.0510</b>	<b>0.0000</b>	<b>16.7175</b>	<b>16.7175</b>	<b>0.0166</b>	<b>0.0000</b>	<b>17.1312</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 Stationary Equipment**

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8555 Santa Monica Boulevard Mixed-Use Alt. 7 - Los Angeles-South Coast County, Winter

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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