

**Jeremy's Convenience Store**  
**San Bernardino-Mojave Desert County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Convenience Market With Gas Pumps	3.80	1000sqft	1.00	3,800.00	0

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2018

Utility Company Southern California Edison

CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.008
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**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - The existing building is approximately 3,800 sq. ft. in size on a 1.0 acre lot.

Demolition -

Construction Off-road Equipment Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.09	1.00
	OperationalYear	2014	2018

**2.0 Emissions Summary**



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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.1055	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.3000e-004	0.0000			8.8000e-004
Energy	2.6000e-004	2.3700e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	5.0000e-005		5.0000e-005	2.8589
Mobile	18.1880	25.0422	175.6427	0.1087	6.2797	0.2680	6.5477	1.6767	0.2464	1.9231		9,003.3500	0.4751			9,013.3268
<b>Total</b>	<b>18.2937</b>	<b>25.0446</b>	<b>175.6450</b>	<b>0.1087</b>	<b>6.2797</b>	<b>0.2682</b>	<b>6.5479</b>	<b>1.6767</b>	<b>0.2466</b>	<b>1.9233</b>		<b>9,006.1924</b>	<b>0.4751</b>		<b>5.0000e-005</b>	<b>9,016.1865</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.1055	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.3000e-004	0.0000			8.8000e-004
Energy	2.6000e-004	2.3700e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	5.0000e-005		5.0000e-005	2.8589
Mobile	18.1880	25.0422	175.6427	0.1087	6.2797	0.2680	6.5477	1.6767	0.2464	1.9231		9,003.3500	0.4751			9,013.3268
<b>Total</b>	<b>18.2937</b>	<b>25.0446</b>	<b>175.6450</b>	<b>0.1087</b>	<b>6.2797</b>	<b>0.2682</b>	<b>6.5479</b>	<b>1.6767</b>	<b>0.2466</b>	<b>1.9233</b>		<b>9,006.1924</b>	<b>0.4751</b>		<b>5.0000e-005</b>	<b>9,016.1865</b>

Percent Reduction	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Blk-CO2	NBlk-CO2	Total CO2	CH4	N2O	CO2e
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	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	1/1/2018	1/12/2018	5	10	
2	Site Preparation	Site Preparation	1/13/2018	1/15/2018	5	1	
3	Grading	Grading	1/16/2018	1/17/2018	5	2	
4	Building Construction	Building Construction	1/18/2018	6/6/2018	5	100	
5	Paving	Paving	6/7/2018	6/13/2018	5	5	
6	Architectural Coating	Architectural Coating	6/14/2018	6/20/2018	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0.75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,700; Non-Residential Outdoor: 1,900 (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	228	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
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
Site Preparation	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
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	1.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3936	23.5008	19.6968	0.0245	1.3660	1.3660	1.3660	1.2780	1.2780	1.2780	2,427.2156	2,427.2156	2,427.2156	0.6170		2,440.1728
Total	2.3936	23.5008	19.6968	0.0245	1.3660	1.3660	1.3660	1.2780	1.2780	1.2780	2,427.2156	2,427.2156	2,427.2156	0.6170		2,440.1728

**3.2 Demolition - 2018**  
**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0385	0.0704	0.6196	1.1800e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.3749	90.3749	5.7400e-003		90.4854
<b>Total</b>	<b>0.0385</b>	<b>0.0704</b>	<b>0.6196</b>	<b>1.1800e-003</b>	<b>0.1068</b>	<b>6.9000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.4000e-004</b>	<b>0.0290</b>		<b>90.3749</b>	<b>90.3749</b>	<b>5.7400e-003</b>		<b>90.4854</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3636	23.5008	19.6968	0.0245		1.3660	1.3660		1.2780	1.2780	0.0000	2,427.2156	2,427.2156	0.6170		2,440.1728
<b>Total</b>	<b>2.3636</b>	<b>23.5008</b>	<b>19.6968</b>	<b>0.0245</b>		<b>1.3660</b>	<b>1.3660</b>		<b>1.2780</b>	<b>1.2780</b>	<b>0.0000</b>	<b>2,427.2156</b>	<b>2,427.2156</b>	<b>0.6170</b>		<b>2,440.1728</b>

**3.2 Demolition - 2018**

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0385	0.0704	0.6196	1.1800e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.3749	90.3749	5.7400e-003		90.4854
<b>Total</b>	<b>0.0385</b>	<b>0.0704</b>	<b>0.6196</b>	<b>1.1800e-003</b>	<b>0.1068</b>	<b>6.9000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.4000e-004</b>	<b>0.0290</b>		<b>90.3749</b>	<b>90.3749</b>	<b>5.7400e-003</b>		<b>90.4854</b>

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					5.7986	0.0000	5.7986	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.0397	21.1744	14.8464	0.0171	1.1260	1.1260	1.1260	1.0359	1.0359	1.0359		1,722.7816	1,722.7816	0.5363		1,734.0444
<b>Total</b>	<b>2.0397</b>	<b>21.1744</b>	<b>14.8464</b>	<b>0.0171</b>	<b>5.7986</b>	<b>1.1260</b>	<b>6.9256</b>	<b>2.9537</b>	<b>1.0359</b>	<b>3.9896</b>		<b>1,722.7816</b>	<b>1,722.7816</b>	<b>0.5363</b>		<b>1,734.0444</b>



**3.3 Site Preparation - 2018**  
**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0237	0.0433	0.3813	7.3000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178	55.6153	55.6153	55.6153	3.5300e-003		55.6895
<b>Total</b>	<b>0.0237</b>	<b>0.0433</b>	<b>0.3813</b>	<b>7.3000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.9000e-004</b>	<b>0.0178</b>	<b>55.6153</b>	<b>55.6153</b>	<b>55.6153</b>	<b>3.5300e-003</b>		<b>55.6895</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					2.6066	0.0000	2.6066	1.3292	0.0000	1.3292			0.0000			0.0000
Off-Road	2.0397	21.1744	14.8464	0.0171		1.1260	1.1260	1.0359	1.0359	1.0359	0.0000	1,722.7816	1,722.7816	0.5363		1,734.0444
<b>Total</b>	<b>2.0397</b>	<b>21.1744</b>	<b>14.8464</b>	<b>0.0171</b>	<b>2.6066</b>	<b>1.1260</b>	<b>3.7326</b>	<b>1.3292</b>	<b>1.0359</b>	<b>2.3651</b>	<b>0.0000</b>	<b>1,722.7816</b>	<b>1,722.7816</b>	<b>0.5363</b>		<b>1,734.0444</b>

**3.3 Site Preparation - 2018  
Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0237	0.0433	0.3813	7.3000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		55.6153	55.6153	3.5300e-003		55.6885
<b>Total</b>	<b>0.0237</b>	<b>0.0433</b>	<b>0.3813</b>	<b>7.3000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.9000e-004</b>	<b>0.0178</b>		<b>55.6153</b>	<b>55.6153</b>	<b>3.5300e-003</b>		<b>55.6885</b>

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.6639	17.3061	12.2672	0.0141	0.9184	0.9184	0.9184	0.8450	0.8450	0.8450		1,415.2041	1,415.2041	0.4406		1,424.4561
<b>Total</b>	<b>1.6639</b>	<b>17.3061</b>	<b>12.2672</b>	<b>0.0141</b>	<b>4.9143</b>	<b>0.9184</b>	<b>5.8327</b>	<b>2.5256</b>	<b>0.8450</b>	<b>3.3706</b>		<b>1,415.2041</b>	<b>1,415.2041</b>	<b>0.4406</b>		<b>1,424.4561</b>

**3.4 Grading - 2018**

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0237	0.0433	0.3813	7.3000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		55.6153	55.6153	3.5300e-003		55.6895
<b>Total</b>	<b>0.0237</b>	<b>0.0433</b>	<b>0.3813</b>	<b>7.3000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.9000e-004</b>	<b>0.0178</b>		<b>55.6153</b>	<b>55.6153</b>	<b>3.5300e-003</b>		<b>55.6895</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					2.2114	0.0000	2.2114	1.1365	0.0000	1.1365			0.0000			0.0000
Off-Road	1.6639	17.3061	12.2672	0.0141		0.9184	0.9184		0.8450	0.8450	0.0000	1,415.2041	1,415.2041	0.4406		1,424.4561
<b>Total</b>	<b>1.6639</b>	<b>17.3061</b>	<b>12.2672</b>	<b>0.0141</b>	<b>2.2114</b>	<b>0.9184</b>	<b>3.1298</b>	<b>1.1365</b>	<b>0.8450</b>	<b>1.9815</b>	<b>0.0000</b>	<b>1,415.2041</b>	<b>1,415.2041</b>	<b>0.4406</b>		<b>1,424.4561</b>

**3.4 Grading - 2018**

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0237	0.0433	0.3813	7.3000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		55.8153	55.8153	3.5300e-003		55.6895
<b>Total</b>	<b>0.0237</b>	<b>0.0433</b>	<b>0.3813</b>	<b>7.3000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.9000e-004</b>	<b>0.0178</b>		<b>55.8153</b>	<b>55.8153</b>	<b>3.5300e-003</b>		<b>55.6895</b>

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.5826	17.3173	13.8957	0.0220		1.0632	1.0632		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,028.9573
<b>Total</b>	<b>2.5826</b>	<b>17.3173</b>	<b>13.8957</b>	<b>0.0220</b>		<b>1.0632</b>	<b>1.0632</b>		<b>1.0172</b>	<b>1.0172</b>		<b>2,021.4136</b>	<b>2,021.4136</b>	<b>0.4059</b>		<b>2,028.9573</b>

**3.5 Building Construction - 2018**  
**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0113	0.0847	0.1562	2.2000e-004	6.5800e-003	1.7200e-003	8.3000e-003	1.8700e-003	1.5900e-003	3.4500e-003		20.9049	20.9049	1.2000e-004		20.9074
Worker	2.9600e-003	5.4100e-003	0.0477	9.0000e-005	8.2100e-003	5.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		6.9519	6.9519	4.4000e-004		6.9612
Total	0.0143	0.0701	0.2039	3.1000e-004	0.0148	1.7700e-003	0.0166	4.0500e-003	1.6400e-003	5.6900e-003		27.8568	27.8568	5.6000e-004		27.8686

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.5626	17.3173	13.8357	0.0220		1.0532	1.0532	1.0172	1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.8373
Total	2.5626	17.3173	13.8357	0.0220		1.0532	1.0532	1.0172	1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.8373

**3.5 Building Construction - 2018**

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0113	0.0847	0.1562	2.2000e-004	6.5800e-003	1.7200e-003	8.3000e-003	1.8700e-003	1.5900e-003	3.4500e-003		20.9049	20.9049	1.2000e-004		20.9074
Worker	2.9600e-003	5.4100e-003	0.0477	9.0000e-005	8.2100e-003	5.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		6.9519	6.9519	4.4000e-004		6.9612
<b>Total</b>	<b>0.0143</b>	<b>0.0701</b>	<b>0.2039</b>	<b>3.1000e-004</b>	<b>0.0148</b>	<b>1.7700e-003</b>	<b>0.0166</b>	<b>4.0500e-003</b>	<b>1.6400e-003</b>	<b>5.6900e-003</b>		<b>27.8568</b>	<b>27.8568</b>	<b>5.6000e-004</b>		<b>27.8686</b>

**3.6 Paving - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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>

**3.6 Paving - 2018**  
**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEko- CO2	Total CO2	CH4	N2O	CO2e
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	0.0385	0.0704	0.6196	1.1800e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.3749	90.3749	5.7400e-003		90.4854
<b>Total</b>	<b>0.0385</b>	<b>0.0704</b>	<b>0.6196</b>	<b>1.1800e-003</b>	<b>0.1068</b>	<b>6.9000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.4000e-004</b>	<b>0.0290</b>		<b>90.3749</b>	<b>90.3749</b>	<b>5.7400e-003</b>		<b>90.4854</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEko- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553	0.0000	1,328.5758	1,328.5758	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>1,328.5758</b>	<b>1,328.5758</b>	<b>0.4051</b>		<b>1,335.0833</b>

**3.6 Paving - 2018**

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0385	0.0704	0.6196	1.1800e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.3749	90.3749	5.7400e-003		90.4954
<b>Total</b>	<b>0.0385</b>	<b>0.0704</b>	<b>0.6196</b>	<b>1.1800e-003</b>	<b>0.1068</b>	<b>6.9000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.4000e-004</b>	<b>0.0290</b>		<b>90.3749</b>	<b>90.3749</b>	<b>5.7400e-003</b>		<b>90.4954</b>

**3.7 Architectural Coating - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	17.6130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2868	2.0058	1.8542	2.9700e-003		0.1506	0.1506	0.1506	0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>17.9116</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>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>



**3.7 Architectural Coating - 2018**  
**Unmitigated Construction Off-Site**

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

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEko- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	17.6130					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	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>17.9116</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>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

**3.7 Architectural Coating - 2018**

**Mitigated Construction Off-Site**

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	18.1880	25.0422	175.6427	0.1087	6.2797	0.2680	6.5477	1.6767	0.2464	1.9231		9,003.3500	9,003.3500	0.4751		9,013.3288
Unmitigated	18.1880	25.0422	175.6427	0.1087	6.2797	0.2680	6.5477	1.6767	0.2464	1.9231		9,003.3500	9,003.3500	0.4751		9,013.3288

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Convenience Market With Gas Pumps	3,213.28	5,503.65	4,491.90	1,997,106	1,997,106
<b>Total</b>	<b>3,213.28</b>	<b>5,503.65</b>	<b>4,491.90</b>	<b>1,997,106</b>	<b>1,997,106</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	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	
Convenience Market With Gas	9.50	7.30	7.30	0.80	80.20	19.00	80.20	19.00	14	21	65	

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.433723	0.068979	0.183157	0.159578	0.045778	0.007720	0.006780	0.077795	0.000831	0.001129	0.010289	0.000587	0.003654

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
NaturalGas Mitigated	2.6000e-004	2.3700e-003	1.9800e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	2.8416	5.0000e-005	5.0000e-005	2.8589
NaturalGas Unmitigated	2.6000e-004	2.3700e-003	1.9800e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	2.8416	5.0000e-005	5.0000e-005	2.8589

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day																
Convenience Market With Gas	24.1534	2.6000e-004	2.3700e-003	1.9800e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	2.8416	5.0000e-005	5.0000e-005	2.8589
<b>Total</b>		2.6000e-004	2.3700e-003	1.9800e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	2.8416	5.0000e-005	5.0000e-005	2.8589

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

Land Use	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	
	kgBTU/yr																	
Convenience Market With Gas Business	0.0241634	2.6000e-004	2.3700e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	2.8416	5.0000e-005	5.0000e-005	2.8589	
<b>Total</b>		2.6000e-004	2.3700e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8416	2.8416	5.0000e-005	5.0000e-005	2.8589	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

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	
Mitigated	0.1055	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.3000e-004	8.3000e-004	0.0000		8.8000e-004	
Unmitigated	0.1055	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.3000e-004	8.3000e-004	0.0000		8.8000e-004	

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0813					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.3000e-004	8.3000e-004	0.0000		8.8000e-004
<b>Total</b>	<b>0.1055</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>8.3000e-004</b>	<b>8.3000e-004</b>	<b>0.0000</b>		<b>8.8000e-004</b>

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NEBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0813					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.3000e-004	8.3000e-004	0.0000		8.8000e-004
<b>Total</b>	<b>0.1055</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>8.3000e-004</b>	<b>8.3000e-004</b>	<b>0.0000</b>		<b>8.8000e-004</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**