

CalEEMod Condo Complex
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	200	1000sqft
Parking Lot	400	Space
Quality Restaurant	11.5	1000sqft
Condo/Townhouse High Rise	230	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Los Angeles Department of Water & Power
Climate Zone	11	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Project proponent reduced the construction schedule in half the time as the defaults.

Off-road Equipment - Doubling equipment due to reduced construction schedule. More daily equipment needed to complete task.

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Grading -

Water And Wastewater - Change default to more accurate site specific wastewater treatment.

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - All equipment held to Tier 3 engine standard.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Trips and VMT -

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					
2011	1,042.43	221.94	118.98	0.21	36.77	10.89	47.66	0.09	10.89	10.98	0.00	22,249.89	0.00	2.39	0.00	22,300.14
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2011	1,041.80	128.28	119.58	0.21	16.89	7.98	24.87	0.09	7.98	8.06	0.00	22,249.89	0.00	2.39	0.00	22,300.14
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	39.92	1.36	96.09	0.18		0.00	12.27		0.00	12.26	1,623.05	4,174.58		6.46	0.10	5,964.17
Energy	0.26	2.29	1.29	0.01		0.00	0.18		0.00	0.18		2,864.57		0.05	0.05	2,882.00
Mobile	42.49	47.47	189.50	0.28	29.51	1.81	31.33	0.42	1.71	2.13		27,873.16		1.56		27,905.91
Total	82.67	51.12	286.88	0.47	29.51	1.81	43.78	0.42	1.71	14.57	1,623.05	34,912.31		8.07	0.15	36,752.08

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	15.44	0.24	19.96	0.00		0.00	0.10		0.00	0.10	0.00	34.58		0.04	0.00	35.40
Energy	0.24	2.06	1.18	0.01		0.00	0.16		0.00	0.16		2,577.18		0.05	0.05	2,592.86
Mobile	26.99	30.47	121.87	0.16	16.79	1.08	17.86	0.24	1.01	1.25		16,199.21		0.95		16,219.10
Total	42.67	32.77	143.01	0.17	16.79	1.08	18.12	0.24	1.01	1.51	0.00	18,810.97		1.04	0.05	18,847.36

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Demolition - 2011

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	19.68	159.74	91.90	0.14		8.20	8.20		8.20	8.20		15,021.64		1.76		15,058.67
Total	19.68	159.74	91.90	0.14		8.20	8.20		8.20	8.20		15,021.64		1.76		15,058.67

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70
Total	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70

3.2 Demolition - 2011

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	14.76	111.29	86.58	0.14		6.34	6.34		6.34	6.34	0.00	15,021.64		1.76		15,058.67
Total	14.76	111.29	86.58	0.14		6.34	6.34		6.34	6.34	0.00	15,021.64		1.76		15,058.67

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70
Total	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70

3.3 Site Preparation - 2011

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					36.13	0.00	36.13	0.01	0.00	0.01							0.00
Off-Road	21.97	179.47	100.90	0.15		9.22	9.22		9.22	9.22		15,995.40		1.97			16,036.84
Total	21.97	179.47	100.90	0.15	36.13	9.22	45.35	0.01	9.22	9.23		15,995.40		1.97			16,036.84

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	0.06	0.53	0.27	0.00	0.10	0.02	0.12	0.00	0.02	0.02		66.14		0.00		66.19
Vendor	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
Worker	0.74	0.27	3.10	0.00	0.54	0.02	0.55	0.01	0.02	0.02		459.86		0.03		460.48
Total	0.80	0.80	3.37	0.00	0.64	0.04	0.67	0.01	0.04	0.04		526.00		0.03		526.67

3.3 Site Preparation - 2011

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					16.26	0.00	16.26	0.00	0.00	0.00						0.00
Off-Road	16.91	127.49	90.24	0.15		7.16	7.16		7.16	7.16	0.00	15,995.40		1.97		16,036.84
Total	16.91	127.49	90.24	0.15	16.26	7.16	23.42	0.00	7.16	7.16	0.00	15,995.40		1.97		16,036.84

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	0.06	0.53	0.27	0.00	0.10	0.02	0.12	0.00	0.02	0.02		66.14		0.00		66.19
Vendor	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
Worker	0.74	0.27	3.10	0.00	0.54	0.02	0.55	0.01	0.02	0.02		459.86		0.03		460.48
Total	0.80	0.80	3.37	0.00	0.64	0.04	0.67	0.01	0.04	0.04		526.00		0.03		526.67

3.4 Grading - 2011

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					17.35	0.00	17.35	0.00	0.00	0.00						0.00
Off-Road	26.36	221.54	115.40	0.20		10.87	10.87		10.87	10.87		21,713.31		2.36		21,762.85
Total	26.36	221.54	115.40	0.20	17.35	10.87	28.22	0.00	10.87	10.87		21,713.31		2.36		21,762.85

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	0.01	0.09	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00		11.02		0.00		11.03
Vendor	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
Worker	0.85	0.31	3.54	0.01	0.61	0.02	0.63	0.01	0.02	0.03		525.55		0.03		526.26
Total	0.86	0.40	3.59	0.01	0.66	0.02	0.68	0.01	0.02	0.03		536.57		0.03		537.29

3.4 Grading - 2011

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					7.81	0.00	7.81	0.00	0.00	0.00						0.00
Off-Road	18.40	127.54	115.99	0.20		7.95	7.95		7.95	7.95	0.00	21,713.31		2.36		21,762.85
Total	18.40	127.54	115.99	0.20	7.81	7.95	15.76	0.00	7.95	7.95	0.00	21,713.31		2.36		21,762.85

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	0.01	0.09	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00		11.02		0.00		11.03
Vendor	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
Worker	0.85	0.31	3.54	0.01	0.61	0.02	0.63	0.01	0.02	0.03		525.55		0.03		526.26
Total	0.86	0.40	3.59	0.01	0.66	0.02	0.68	0.01	0.02	0.03		536.57		0.03		537.29

3.5 Building Construction - 2011

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	11.06	73.05	43.05	0.08		4.93	4.93		4.93	4.93		7,358.36		0.99		7,379.16
Total	11.06	73.05	43.05	0.08		4.93	4.93		4.93	4.93		7,358.36		0.99		7,379.16

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.87	16.89	9.95	0.02	0.79	0.60	1.39	0.02	0.55	0.57		2,333.74		0.07		2,335.30
Worker	6.81	2.48	28.50	0.04	4.94	0.16	5.10	0.07	0.14	0.21		4,230.71		0.27		4,236.40
Total	8.68	19.37	38.45	0.06	5.73	0.76	6.49	0.09	0.69	0.78		6,564.45		0.34		6,571.70

3.5 Building Construction - 2011

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	7.65	46.80	44.63	0.08		3.71	3.71		3.71	3.71	0.00	7,358.36		0.99		7,379.16
Total	7.65	46.80	44.63	0.08		3.71	3.71		3.71	3.71	0.00	7,358.36		0.99		7,379.16

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.87	16.89	9.95	0.02	0.79	0.60	1.39	0.02	0.55	0.57		2,333.74		0.07		2,335.30
Worker	6.81	2.48	28.50	0.04	4.94	0.16	5.10	0.07	0.14	0.21		4,230.71		0.27		4,236.40
Total	8.68	19.37	38.45	0.06	5.73	0.76	6.49	0.09	0.69	0.78		6,564.45		0.34		6,571.70

3.6 Paving - 2011

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	12.43	75.05	42.60	0.06		6.62	6.62		6.62	6.62		5,835.29		1.11		5,858.69
Paving	0.94					0.00	0.00		0.00	0.00						0.00
Total	13.37	75.05	42.60	0.06		6.62	6.62		6.62	6.62		5,835.29		1.11		5,858.69

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70
Total	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70

3.6 Paving - 2011

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	5.13	30.80	37.99	0.06		3.08	3.08		3.08	3.08	0.00	5,835.29		1.11		5,858.69
Paving	0.94					0.00	0.00		0.00	0.00						0.00
Total	6.07	30.80	37.99	0.06		3.08	3.08		3.08	3.08	0.00	5,835.29		1.11		5,858.69

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70
Total	0.63	0.23	2.66	0.00	0.46	0.01	0.48	0.01	0.01	0.02		394.17		0.03		394.70

3.7 Architectural Coating - 2011

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	1,039.95					0.00	0.00		0.00	0.00						0.00
Off-Road	1.13	6.73	3.96	0.01		0.62	0.62		0.62	0.62		562.38		0.10		564.50
Total	1,041.08	6.73	3.96	0.01		0.62	0.62		0.62	0.62		562.38		0.10		564.50

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	1.35	0.49	5.66	0.01	0.98	0.03	1.01	0.01	0.03	0.04		840.89		0.05		842.02
Total	1.35	0.49	5.66	0.01	0.98	0.03	1.01	0.01	0.03	0.04		840.89		0.05		842.02

3.7 Architectural Coating - 2011

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	1,039.95					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.97	3.66	0.01		0.30	0.30		0.30	0.30	0.00	562.38		0.10		564.50
Total	1,040.44	2.97	3.66	0.01		0.30	0.30		0.30	0.30	0.00	562.38		0.10		564.50

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	1.35	0.49	5.66	0.01	0.98	0.03	1.01	0.01	0.03	0.04		840.89		0.05		842.02
Total	1.35	0.49	5.66	0.01	0.98	0.03	1.01	0.01	0.03	0.04		840.89		0.05		842.02

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Implement NEV Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.99	30.47	121.87	0.16	16.79	1.08	17.86	0.24	1.01	1.25		16,199.21		0.95		16,219.10
Unmitigated	42.49	47.47	189.50	0.28	29.51	1.81	31.33	0.42	1.71	2.13		27,873.16		1.56		27,905.91
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	1,515.70	1,646.80	1396.10	5,053,623	2,874,250
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	1,034.43	1,085.14	829.84	1,841,053	1,047,100

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	518.00	518.00	518.00	1,457,274	828,825
Total	3,068.13	3,249.94	2,743.94	8,351,950	4,750,175

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
Parking Lot	8.90	13.30	7.40	0.00	0.00	0.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Unrefrigerated Warehouse-No Rail	8.90	13.30	7.40	59.00	0.00	41.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.24	2.06	1.18	0.01		0.00	0.16		0.00	0.16		2,577.18		0.05	0.05	2,592.86
NaturalGas Unmitigated	0.26	2.29	1.29	0.01		0.00	0.18		0.00	0.18		2,864.57		0.05	0.05	2,882.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	lb/day										lb/day					
Condo/Townhouse High Rise	16508.8	0.18	1.52	0.65	0.01		0.00	0.12		0.00	0.12		1,942.21		0.04	0.04	1,954.03
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	7341.41	0.08	0.72	0.60	0.00		0.00	0.05		0.00	0.05		863.70		0.02	0.02	868.95
Unrefrigerated Warehouse-No Rail	498.63	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00		58.66		0.00	0.00	59.02
Total		0.27	2.29	1.29	0.01		0.00	0.17		0.00	0.17		2,864.57		0.06	0.06	2,882.00

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	lb/day										lb/day					
Condo/Townhouse High Rise	14.352	0.15	1.32	0.56	0.01		0.00	0.11		0.00	0.11		1,688.47		0.03	0.03	1,698.75
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	7.12765	0.08	0.70	0.59	0.00		0.00	0.05		0.00	0.05		838.55		0.02	0.02	843.65
Unrefrigerated Warehouse-No Rail	0.426301	0.00	0.04	0.04	0.00		0.00	0.00		0.00	0.00		50.15		0.00	0.00	50.46
Total		0.23	2.06	1.19	0.01		0.00	0.16		0.00	0.16		2,577.17		0.05	0.05	2,592.86

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.44	0.24	19.96	0.00		0.00	0.10		0.00	0.10	0.00	34.58		0.04	0.00	35.40
Unmitigated	39.92	1.36	96.09	0.18		0.00	12.27		0.00	12.26	1,623.05	4,174.58		6.46	0.10	5,964.17
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	2.85					0.00	0.00		0.00	0.00						0.00
Consumer Products	11.91					0.00	0.00		0.00	0.00						0.00
Hearth	24.48	1.12	76.13	0.18		0.00	12.16		0.00	12.16	1,623.05	4,140.00		6.42	0.10	5,928.77
Landscaping	0.68	0.24	19.96	0.00		0.00	0.10		0.00	0.10		34.58		0.04		35.40
Total	39.92	1.36	96.09	0.18		0.00	12.26		0.00	12.26	1,623.05	4,174.58		6.46	0.10	5,964.17

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	2.85					0.00	0.00		0.00	0.00						0.00
Consumer Products	11.91					0.00	0.00		0.00	0.00						0.00
Hearth	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
Landscaping	0.68	0.24	19.96	0.00		0.00	0.10		0.00	0.10		34.58		0.04		35.40
Total	15.44	0.24	19.96	0.00		0.00	0.10		0.00	0.10	0.00	34.58		0.04	0.00	35.40

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation
