

**California Mixed Use Complex
South Coast AQMD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	100	Dwelling Unit
Supermarket	45	1000sqft
Quality Restaurant	5	1000sqft
Parking Lot	50	1000sqft

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 - Modified Lot Acreages to reflect a mixed use setting (residential, retail and recreational on same footprint), open space and 2 parking lots on same original footprint size as the residential mid-rise apartment building.

Construction Phase - Construction schedule is shorten to half the default phase days

Off-road Equipment - Need to double the construction equipment to meet the construction schedule that has been shorten in half from the default schedule.

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Grading - Total acres disturbed changed due to change in construction schedule and number of equipment

Water And Wastewater - Changed default because of more accurate information known.

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - All construction equipment will Tier 3

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Off-road Equipment - No demolition phase; greenfield project

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	13.54	84.25	53.61	0.09	13.46	4.74	18.07	6.63	4.72	11.23	0.00	8,652.80	0.00	1.21	0.00	8,678.31
2012	620.60	67.00	51.66	0.09	1.94	4.79	6.30	0.03	4.78	4.79	0.00	8,624.72	0.00	1.12	0.00	8,648.35
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	8.58	42.14	52.40	0.09	6.25	3.29	8.93	2.98	3.27	5.66	0.00	8,652.80	0.00	1.21	0.00	8,678.31
2012	620.04	41.61	51.30	0.09	1.94	3.27	5.21	0.03	3.26	3.29	0.00	8,624.72	0.00	1.12	0.00	8,648.35
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	15.75	0.59	41.78	0.08		0.00	5.33		0.00	5.33	705.67	1,815.04		2.81	0.04	2,593.12
Energy	0.10	0.92	0.63	0.01		0.00	0.07		0.00	0.07		1,130.66		0.02	0.02	1,137.54
Mobile	43.16	101.02	403.72	0.56	58.61	3.69	62.30	0.83	3.47	4.30		56,025.86		3.21		56,093.35
Total	59.01	102.53	446.13	0.65	58.61	3.69	67.70	0.83	3.47	9.70	705.67	58,971.56		6.04	0.06	59,824.01

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	5.10	0.10	8.68	0.00		0.00	0.04		0.00	0.04	0.00	15.04		0.02	0.00	15.39
Energy	0.10	0.85	0.59	0.01		0.00	0.07		0.00	0.07		1,042.67		0.02	0.02	1,049.01
Mobile	32.66	67.69	271.19	0.33	33.67	2.24	35.91	0.48	2.11	2.59		33,146.96		2.01		33,189.26
Total	37.86	68.64	280.46	0.34	33.67	2.24	36.02	0.48	2.11	2.70	0.00	34,204.67		2.05	0.02	34,253.66

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

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					2.39	0.00	2.39	0.00	0.00	0.00						0.00
Off-Road	9.36	79.04	39.20	0.07		3.91	3.91		3.91	3.91		7,835.54		0.84		7,853.14
Total	9.36	79.04	39.20	0.07	2.39	3.91	6.30	0.00	3.91	3.91		7,835.54		0.84		7,853.14

3.3 Site Preparation - 2011

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	0.12	1.32	0.68	0.00	0.10	0.06	0.16	0.00	0.05	0.05		165.36		0.01		165.48
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	0.11	0.12	1.33	0.00	0.23	0.01	0.24	0.00	0.01	0.01		197.08		0.01		197.35
Total	0.23	1.44	2.01	0.00	0.33	0.07	0.40	0.00	0.06	0.06		362.44		0.02		362.83

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					1.07	0.00	1.07	0.00	0.00	0.00						0.00
Off-Road	5.64	36.36	41.08	0.07		2.50	2.50		2.50	2.50	0.00	7,835.54		0.84		7,853.14
Total	5.64	36.36	41.08	0.07	1.07	2.50	3.57	0.00	2.50	2.50	0.00	7,835.54		0.84		7,853.14

3.3 Site Preparation - 2011

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	0.12	1.32	0.68	0.00	0.10	0.06	0.16	0.00	0.05	0.05		165.36		0.01		165.48
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	0.11	0.12	1.33	0.00	0.23	0.01	0.24	0.00	0.01	0.01		197.08		0.01		197.35
Total	0.23	1.44	2.01	0.00	0.33	0.07	0.40	0.00	0.06	0.06		362.44		0.02		362.83

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					13.11	0.00	13.11	6.62	0.00	6.62						0.00
Off-Road	10.51	83.66	47.81	0.07		4.58	4.58		4.58	4.58		7,655.17		0.94		7,675.00
Total	10.51	83.66	47.81	0.07	13.11	4.58	17.69	6.62	4.58	11.20		7,655.17		0.94		7,675.00

3.4 Grading - 2011

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	0.04	0.44	0.23	0.00	0.05	0.02	0.07	0.00	0.02	0.02		55.12		0.00		55.16
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	0.15	0.15	1.77	0.00	0.31	0.01	0.32	0.00	0.01	0.01		262.78		0.02		263.13
Total	0.19	0.59	2.00	0.00	0.36	0.03	0.39	0.00	0.03	0.03		317.90		0.02		318.29

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					5.90	0.00	5.90	2.98	0.00	2.98						0.00
Off-Road	5.64	36.04	41.65	0.07		2.65	2.65		2.65	2.65	0.00	7,655.17		0.94		7,675.00
Total	5.64	36.04	41.65	0.07	5.90	2.65	8.55	2.98	2.65	5.63	0.00	7,655.17		0.94		7,675.00

3.4 Grading - 2011

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	0.04	0.44	0.23	0.00	0.05	0.02	0.07	0.00	0.02	0.02		55.12		0.00		55.16
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	0.15	0.15	1.77	0.00	0.31	0.01	0.32	0.00	0.01	0.01		262.78		0.02		263.13
Total	0.19	0.59	2.00	0.00	0.36	0.03	0.39	0.00	0.03	0.03		317.90		0.02		318.29

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	12.25	65.33	40.71	0.07		4.50	4.50		4.50	4.50		6,466.22		1.10		6,489.29
Total	12.25	65.33	40.71	0.07		4.50	4.50		4.50	4.50		6,466.22		1.10		6,489.29

3.5 Building Construction - 2011

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	0.47	5.36	3.16	0.01	0.25	0.19	0.44	0.01	0.17	0.18		741.31		0.02		741.80
Worker	0.81	0.85	9.74	0.01	1.69	0.05	1.74	0.02	0.05	0.07		1,445.27		0.09		1,447.22
Total	1.28	6.21	12.90	0.02	1.94	0.24	2.18	0.03	0.22	0.25		2,186.58		0.11		2,189.02

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	7.29	35.93	39.51	0.07		3.05	3.05		3.05	3.05	0.00	6,466.22		1.10		6,489.29
Total	7.29	35.93	39.51	0.07		3.05	3.05		3.05	3.05	0.00	6,466.22		1.10		6,489.29

3.5 Building Construction - 2011

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	0.47	5.36	3.16	0.01	0.25	0.19	0.44	0.01	0.17	0.18		741.31		0.02		741.80
Worker	0.81	0.85	9.74	0.01	1.69	0.05	1.74	0.02	0.05	0.07		1,445.27		0.09		1,447.22
Total	1.28	6.21	12.90	0.02	1.94	0.24	2.18	0.03	0.22	0.25		2,186.58		0.11		2,189.02

3.5 Building Construction - 2012

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	11.32	61.32	39.87	0.07		4.14	4.14		4.14	4.14		6,466.22		1.02		6,487.59
Total	11.32	61.32	39.87	0.07		4.14	4.14		4.14	4.14		6,466.22		1.02		6,487.59

3.5 Building Construction - 2012

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	0.43	4.91	2.86	0.01	0.25	0.17	0.42	0.01	0.16	0.16		742.93		0.02		743.38
Worker	0.75	0.77	8.93	0.01	1.69	0.05	1.74	0.02	0.05	0.07		1,415.57		0.09		1,417.38
Total	1.18	5.68	11.79	0.02	1.94	0.22	2.16	0.03	0.21	0.23		2,158.50		0.11		2,160.76

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	7.29	35.93	39.51	0.07		3.05	3.05		3.05	3.05	0.00	6,466.22		1.02		6,487.59
Total	7.29	35.93	39.51	0.07		3.05	3.05		3.05	3.05	0.00	6,466.22		1.02		6,487.59

3.5 Building Construction - 2012

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	0.43	4.91	2.86	0.01	0.25	0.17	0.42	0.01	0.16	0.16		742.93		0.02		743.38
Worker	0.75	0.77	8.93	0.01	1.69	0.05	1.74	0.02	0.05	0.07		1,415.57		0.09		1,417.38
Total	1.18	5.68	11.79	0.02	1.94	0.22	2.16	0.03	0.21	0.23		2,158.50		0.11		2,160.76

3.6 Paving - 2012

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	8.88	54.79	33.93	0.05		4.77	4.77		4.77	4.77		4,786.84		0.80		4,803.57
Paving	0.60					0.00	0.00		0.00	0.00						0.00
Total	9.48	54.79	33.93	0.05		4.77	4.77		4.77	4.77		4,786.84		0.80		4,803.57

3.6 Paving - 2012

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	0.20	0.21	2.44	0.00	0.46	0.01	0.48	0.01	0.01	0.02		386.07		0.02		386.56
Total	0.20	0.21	2.44	0.00	0.46	0.01	0.48	0.01	0.01	0.02		386.07		0.02		386.56

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	4.12	24.74	30.51	0.05		2.47	2.47		2.47	2.47	0.00	4,786.84		0.80		4,803.57
Paving	0.60					0.00	0.00		0.00	0.00						0.00
Total	4.72	24.74	30.51	0.05		2.47	2.47		2.47	2.47	0.00	4,786.84		0.80		4,803.57

3.6 Paving - 2012

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	0.20	0.21	2.44	0.00	0.46	0.01	0.48	0.01	0.01	0.02		386.07		0.02		386.56
Total	0.20	0.21	2.44	0.00	0.46	0.01	0.48	0.01	0.01	0.02		386.07		0.02		386.56

3.7 Architectural Coating - 2012

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	619.40					0.00	0.00		0.00	0.00						0.00
Off-Road	1.05	6.32	3.92	0.01		0.58	0.58		0.58	0.58		562.38		0.09		564.35
Total	620.45	6.32	3.92	0.01		0.58	0.58		0.58	0.58		562.38		0.09		564.35

3.7 Architectural Coating - 2012

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	0.15	0.15	1.79	0.00	0.34	0.01	0.35	0.00	0.01	0.01		283.11		0.02		283.48
Total	0.15	0.15	1.79	0.00	0.34	0.01	0.35	0.00	0.01	0.01		283.11		0.02		283.48

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	619.40					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		0.09		564.35
Total	619.89	2.97	3.66	0.01		0.30	0.30		0.30	0.30	0.00	562.38		0.09		564.35

3.7 Architectural Coating - 2012

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	0.15	0.15	1.79	0.00	0.34	0.01	0.35	0.00	0.01	0.01		283.11		0.02		283.48
Total	0.15	0.15	1.79	0.00	0.34	0.01	0.35	0.00	0.01	0.01		283.11		0.02		283.48

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	32.66	67.69	271.19	0.33	33.67	2.24	35.91	0.48	2.11	2.59		33,146.96		2.01		33,189.26
Unmitigated	43.16	101.02	403.72	0.56	58.61	3.69	62.30	0.83	3.47	4.30		56,025.86		3.21		56,093.35
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
Apartments Mid Rise	659.00	716.00	607.00	2,197,228	1,262,100
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	449.75	471.80	360.80	800,458	459,788
Supermarket	4,600.80	7,991.55	7489.80	9,949,346	5,714,962
Total	5,709.55	9,179.35	8,457.60	12,947,031	7,436,850

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
Apartments Mid 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

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
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Supermarket	8.90	13.30	7.40	6.50	74.50	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

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	0.10	0.85	0.59	0.01		0.00	0.07		0.00	0.07		1,042.67		0.02	0.02	1,049.01
NaturalGas Unmitigated	0.10	0.92	0.63	0.01		0.00	0.07		0.00	0.07		1,130.66		0.02	0.02	1,137.54
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					
Apartments Mid Rise	3633.65	0.04	0.33	0.14	0.00		0.00	0.03		0.00	0.03		427.49		0.01	0.01	430.09
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	3191.92	0.03	0.31	0.26	0.00		0.00	0.02		0.00	0.02		375.52		0.01	0.01	377.81
Supermarket	2785.07	0.03	0.27	0.23	0.00		0.00	0.02		0.00	0.02		327.66		0.01	0.01	329.65
Total		0.10	0.91	0.63	0.00		0.00	0.07		0.00	0.07		1,130.67		0.03	0.03	1,137.55

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					
Apartments Mid Rise	3.17001	0.03	0.29	0.12	0.00		0.00	0.02		0.00	0.02		372.94		0.01	0.01	375.21
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	3.09898	0.03	0.30	0.26	0.00		0.00	0.02		0.00	0.02		364.59		0.01	0.01	366.80
Supermarket	2.59366	0.03	0.25	0.21	0.00		0.00	0.02		0.00	0.02		305.14		0.01	0.01	306.99
Total		0.09	0.84	0.59	0.00		0.00	0.06		0.00	0.06		1,042.67		0.03	0.03	1,049.00

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	5.10	0.10	8.68	0.00		0.00	0.04		0.00	0.04	0.00	15.04		0.02	0.00	15.39
Unmitigated	15.75	0.59	41.78	0.08		0.00	5.33		0.00	5.33	705.67	1,815.04		2.81	0.04	2,593.12
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	0.85					0.00	0.00		0.00	0.00						0.00
Consumer Products	3.96					0.00	0.00		0.00	0.00						0.00
Hearth	10.64	0.49	33.10	0.08		0.00	5.29		0.00	5.29	705.67	1,800.00		2.79	0.04	2,577.72
Landscaping	0.30	0.10	8.68	0.00		0.00	0.04		0.00	0.04		15.04		0.02		15.39
Total	15.75	0.59	41.78	0.08		0.00	5.33		0.00	5.33	705.67	1,815.04		2.81	0.04	2,593.11

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	0.85					0.00	0.00		0.00	0.00						0.00
Consumer Products	3.96					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	0.30	0.10	8.68	0.00		0.00	0.04		0.00	0.04		15.04		0.02		15.39
Total	5.11	0.10	8.68	0.00		0.00	0.04		0.00	0.04	0.00	15.04		0.02	0.00	15.39

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation
