Appendix A

CalEEMod.2011.1.1

AECOM

May 11, 2013

City of Fullerton - Orangefair

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	264.33	1000sqft
Apartments Mid Rise	323	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Per project description

Construction Phase - Per project description

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Per project description

Off-road Equipment - Per project description

Off-road Equipment - Per project description

Off-road Equipment - Per project description

Trips and VMT - Estimated based on volume of demolition material consistent with recommended methodology (sq. ft x height x 0.33/27).
19,320 sq. ft. * 10 ft. *0.33/27
Assumes 20 cu. yds. per truck

Demolition -

Grading - Per project description

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

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					
2014	28.83	47.99	57.87	0.12	7.07	2.83	9.89	0.29	2.83	3.12	0.00	11,359.97	0.00	0.77	0.00	11,376.23
2015	28.17	43.66	55.05	0.12	7.07	2.54	9.61	0.29	2.54	2.83	0.00	11,257.74	0.00	0.71	0.00	11,272.74
2016	27.59	39.85	52.56	0.12	7.07	2.27	9.34	0.29	2.27	2.56	0.00	11,128.06	0.00	0.66	0.00	11,141.83
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					
2014	28.83	47.99	57.87	0.12	7.07	2.83	9.89	0.29	2.83	3.12	0.00	11,359.97	0.00	0.77	0.00	11,376.23
2015	28.17	43.66	55.05	0.12	7.07	2.54	9.61	0.29	2.54	2.83	0.00	11,257.74	0.00	0.71	0.00	11,272.74
2016	27.59	39.85	52.56	0.12	7.07	2.27	9.34	0.29	2.27	2.56	0.00	11,128.06	0.00	0.66	0.00	11,141.83
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	51.21	1.90	134.26	0.26		0.00	17.23		0.00	17.22	2,279.32	5,862.57		9.07	0.14	8,375.65
Energy	0.11	0.98	0.42	0.01		0.00	0.08		0.00	0.08		1,246.53		0.02	0.02	1,254.12
Mobile	10.95	19.83	107.73	0.23	25.48	1.02	26.49	0.86	1.02	1.87		21,082.58		0.83		21,100.04
Total	**62.27**	**22.71**	**242.41**	**0.50**	**25.48**	**1.02**	**43.80**	**0.86**	**1.02**	**19.17**	**2,279.32**	**28,191.68**		**9.92**	**0.16**	**30,729.81**

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	17.40	0.32	27.38	0.00		0.00	0.54		0.00	0.53	0.00	6,204.57		0.17	0.11	6,243.07
Energy	0.11	0.98	0.42	0.01		0.00	0.08		0.00	0.08		1,246.53		0.02	0.02	1,254.12
Mobile	10.95	19.83	107.73	0.23	25.48	1.02	26.49	0.86	1.02	1.87		21,082.58		0.83		21,100.04
Total	**28.46**	**21.13**	**135.53**	**0.24**	**25.48**	**1.02**	**27.11**	**0.86**	**1.02**	**2.48**	**0.00**	**28,533.68**		**1.02**	**0.13**	**28,597.23**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2014

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	1.92	13.44	10.91	0.02		0.90	0.90		0.90	0.90		1,722.29		0.17		1,725.87
Total	**1.92**	**13.44**	**10.91**	**0.02**		**0.90**	**0.90**		**0.90**	**0.90**		**1,722.29**		**0.17**		**1,725.87**

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	0.24	2.45	1.52	0.00	5.51	0.10	5.60	0.02	0.10	0.11		448.50		0.01		448.75
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	0.04	0.04	0.49	0.00	0.12	0.00	0.13	0.00	0.00	0.01		95.48		0.01		95.58
Total	**0.28**	**2.49**	**2.01**	**0.00**	**5.63**	**0.10**	**5.73**	**0.02**	**0.10**	**0.12**		**543.98**		**0.02**		**544.33**

3.2 Demolition - 2014

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	1.92	13.44	10.91	0.02		0.90	0.90		0.90	0.90	0.00	1,722.29		0.17		1,725.87
Total	**1.92**	**13.44**	**10.91**	**0.02**		**0.90**	**0.90**		**0.90**	**0.90**	**0.00**	**1,722.29**		**0.17**		**1,725.87**

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	0.24	2.45	1.52	0.00	5.51	0.10	5.60	0.02	0.10	0.11		448.50		0.01		448.75
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	0.04	0.04	0.49	0.00	0.12	0.00	0.13	0.00	0.00	0.01		95.48		0.01		95.58
Total	**0.28**	**2.49**	**2.01**	**0.00**	**5.63**	**0.10**	**5.73**	**0.02**	**0.10**	**0.12**		**543.98**		**0.02**		**544.33**

3.3 Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.29	0.00	0.29	0.00	0.00	0.00						0.00
Off-Road	5.35	45.14	20.93	0.05		1.88	1.88		1.88	1.88		5,546.59		0.48		5,556.64
Total	**5.35**	**45.14**	**20.93**	**0.05**	**0.29**	**1.88**	**2.17**	**0.00**	**1.88**	**1.88**		**5,546.59**		**0.48**		**5,556.64**

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	0.04	0.04	0.49	0.00	0.12	0.00	0.13	0.00	0.00	0.01		95.48		0.01		95.58
Total	**0.04**	**0.04**	**0.49**	**0.00**	**0.12**	**0.00**	**0.13**	**0.00**	**0.00**	**0.01**		**95.48**		**0.01**		**95.58**

3.3 Grading - 2014

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					0.13	0.00	0.13	0.00	0.00	0.00						0.00
Off-Road	5.35	45.14	20.93	0.05		1.88	1.88		1.88	1.88	0.00	5,546.59		0.48		5,556.64
Total	**5.35**	**45.14**	**20.93**	**0.05**	**0.13**	**1.88**	**2.01**	**0.00**	**1.88**	**1.88**	**0.00**	**5,546.59**		**0.48**		**5,556.64**

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	0.04	0.04	0.49	0.00	0.12	0.00	0.13	0.00	0.00	0.01		95.48		0.01		95.58
Total	**0.04**	**0.04**	**0.49**	**0.00**	**0.12**	**0.00**	**0.13**	**0.00**	**0.00**	**0.01**		**95.48**		**0.01**		**95.58**

3.4 Infrastructure Installation - 2014

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	1.41	10.04	8.11	0.01		0.63	0.63		0.63	0.63		1,309.22		0.13		1,311.85
Total	**1.41**	**10.04**	**8.11**	**0.01**		**0.63**	**0.63**		**0.63**	**0.63**		**1,309.22**		**0.13**		**1,311.85**

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	0.00	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	0.03	0.03	0.31	0.00	0.08	0.00	0.08	0.00	0.00	0.01		59.67		0.00		59.74
Total	**0.03**	**0.03**	**0.31**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.01**		**59.67**		**0.00**		**59.74**

3.4 Infrastructure Installation - 2014

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	1.41	10.04	8.11	0.01		0.63	0.63		0.63	0.63	0.00	1,309.22		0.13		1,311.85
Total	**1.41**	**10.04**	**8.11**	**0.01**		**0.63**	**0.63**		**0.63**	**0.63**	**0.00**	**1,309.22**		**0.13**		**1,311.85**

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	0.00	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	0.03	0.03	0.31	0.00	0.08	0.00	0.08	0.00	0.00	0.01		59.67		0.00		59.74
Total	**0.03**	**0.03**	**0.31**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.01**		**59.67**		**0.00**		**59.74**

3.5 Building Construction - 2014

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	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**		**4,040.61**		**0.42**		**4,049.51**

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	1.02	10.94	7.31	0.02	0.73	0.36	1.09	0.06	0.36	0.41		2,109.17		0.05		2,110.25
Worker	1.85	1.84	21.19	0.04	5.28	0.17	5.45	0.20	0.17	0.36		4,105.51		0.22		4,110.04
Total	**2.87**	**12.78**	**28.50**	**0.06**	**6.01**	**0.53**	**6.54**	**0.26**	**0.53**	**0.77**		**6,214.68**		**0.27**		**6,220.29**

3.5 Building Construction - 2014

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	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**	**0.00**	**4,040.61**		**0.42**		**4,049.51**

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	1.02	10.94	7.31	0.02	0.73	0.36	1.09	0.06	0.36	0.41		2,109.17		0.05		2,110.25
Worker	1.85	1.84	21.19	0.04	5.28	0.17	5.45	0.20	0.17	0.36		4,105.51		0.22		4,110.04
Total	**2.87**	**12.78**	**28.50**	**0.06**	**6.01**	**0.53**	**6.54**	**0.26**	**0.53**	**0.77**		**6,214.68**		**0.27**		**6,220.29**

3.5 Building Construction - 2015

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	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**		**4,040.61**		**0.39**		**4,048.81**

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	0.93	9.92	6.70	0.02	0.73	0.32	1.05	0.06	0.32	0.38		2,116.33		0.05		2,117.30
Worker	1.74	1.68	19.55	0.04	5.28	0.17	5.45	0.20	0.17	0.37		4,014.40		0.20		4,018.61
Total	**2.67**	**11.60**	**26.25**	**0.06**	**6.01**	**0.49**	**6.50**	**0.26**	**0.49**	**0.75**		**6,130.73**		**0.25**		**6,135.91**

3.5 Building Construction - 2015

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	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**4,040.61**		**0.39**		**4,048.81**

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	0.93	9.92	6.70	0.02	0.73	0.32	1.05	0.06	0.32	0.38		2,116.33		0.05		2,117.30
Worker	1.74	1.68	19.55	0.04	5.28	0.17	5.45	0.20	0.17	0.37		4,014.40		0.20		4,018.61
Total	**2.67**	**11.60**	**26.25**	**0.06**	**6.01**	**0.49**	**6.50**	**0.26**	**0.49**	**0.75**		**6,130.73**		**0.25**		**6,135.91**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**		**4,040.61**		**0.36**		**4,048.10**

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	0.85	9.11	6.19	0.02	0.73	0.29	1.02	0.06	0.29	0.34		2,120.20		0.04		2,121.09
Worker	1.64	1.54	18.06	0.04	5.28	0.17	5.45	0.20	0.17	0.37		3,903.16		0.19		3,907.07
Total	**2.49**	**10.65**	**24.25**	**0.06**	**6.01**	**0.46**	**6.47**	**0.26**	**0.46**	**0.71**		**6,023.36**		**0.23**		**6,028.16**

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**4,040.61**		**0.36**		**4,048.10**

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	0.85	9.11	6.19	0.02	0.73	0.29	1.02	0.06	0.29	0.34		2,120.20		0.04		2,121.09
Worker	1.64	1.54	18.06	0.04	5.28	0.17	5.45	0.20	0.17	0.37		3,903.16		0.19		3,907.07
Total	**2.49**	**10.65**	**24.25**	**0.06**	**6.01**	**0.46**	**6.47**	**0.26**	**0.46**	**0.71**		**6,023.36**		**0.23**		**6,028.16**

3.6 Architectural Coating - 2014

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	20.41					0.00	0.00		0.00	0.00						0.00
Off-Road	0.45	2.77	1.92	0.00		0.24	0.24		0.24	0.24		281.19		0.04		282.03
Total	**20.86**	**2.77**	**1.92**	**0.00**		**0.24**	**0.24**		**0.24**	**0.24**		**281.19**		**0.04**		**282.03**

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	0.37	0.37	4.25	0.01	1.06	0.03	1.09	0.04	0.03	0.07		823.49		0.04		824.40
Total	**0.37**	**0.37**	**4.25**	**0.01**	**1.06**	**0.03**	**1.09**	**0.04**	**0.03**	**0.07**		**823.49**		**0.04**		**824.40**

3.6 Architectural Coating - 2014

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	20.41					0.00	0.00		0.00	0.00						0.00
Off-Road	0.45	2.77	1.92	0.00		0.24	0.24		0.24	0.24	0.00	281.19		0.04		282.03
Total	**20.86**	**2.77**	**1.92**	**0.00**		**0.24**	**0.24**		**0.24**	**0.24**	**0.00**	**281.19**		**0.04**		**282.03**

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	0.37	0.37	4.25	0.01	1.06	0.03	1.09	0.04	0.03	0.07		823.49		0.04		824.40
Total	**0.37**	**0.37**	**4.25**	**0.01**	**1.06**	**0.03**	**1.09**	**0.04**	**0.03**	**0.07**		**823.49**		**0.04**		**824.40**

3.6 Architectural Coating - 2015

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	20.41					0.00	0.00		0.00	0.00						0.00
Off-Road	0.41	2.57	1.90	0.00		0.22	0.22		0.22	0.22		281.19		0.04		281.96
Total	**20.82**	**2.57**	**1.90**	**0.00**		**0.22**	**0.22**		**0.22**	**0.22**		**281.19**		**0.04**		**281.96**

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	0.35	0.34	3.92	0.01	1.06	0.03	1.09	0.04	0.03	0.07		805.21		0.04		806.06
Total	**0.35**	**0.34**	**3.92**	**0.01**	**1.06**	**0.03**	**1.09**	**0.04**	**0.03**	**0.07**		**805.21**		**0.04**		**806.06**

3.6 Architectural Coating - 2015

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	20.41					0.00	0.00		0.00	0.00						0.00
Off-Road	0.41	2.57	1.90	0.00		0.22	0.22		0.22	0.22	0.00	281.19		0.04		281.96
Total	**20.82**	**2.57**	**1.90**	**0.00**		**0.22**	**0.22**		**0.22**	**0.22**	**0.00**	**281.19**		**0.04**		**281.96**

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	0.35	0.34	3.92	0.01	1.06	0.03	1.09	0.04	0.03	0.07		805.21		0.04		806.06
Total	**0.35**	**0.34**	**3.92**	**0.01**	**1.06**	**0.03**	**1.09**	**0.04**	**0.03**	**0.07**		**805.21**		**0.04**		**806.06**

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.41					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	**20.78**	**2.37**	**1.88**	**0.00**		**0.20**	**0.20**		**0.20**	**0.20**		**281.19**		**0.03**		**281.89**

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	0.33	0.31	3.62	0.01	1.06	0.03	1.09	0.04	0.03	0.07		782.90		0.04		783.69
Total	**0.33**	**0.31**	**3.62**	**0.01**	**1.06**	**0.03**	**1.09**	**0.04**	**0.03**	**0.07**		**782.90**		**0.04**		**783.69**

3.6 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.41					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	**20.78**	**2.37**	**1.88**	**0.00**		**0.20**	**0.20**		**0.20**	**0.20**	**0.00**	**281.19**		**0.03**		**281.89**

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	0.33	0.31	3.62	0.01	1.06	0.03	1.09	0.04	0.03	0.07		782.90		0.04		783.69
Total	**0.33**	**0.31**	**3.62**	**0.01**	**1.06**	**0.03**	**1.09**	**0.04**	**0.03**	**0.07**		**782.90**		**0.04**		**783.69**

4.0 Mobile Detail

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	10.95	19.83	107.73	0.23	25.48	1.02	26.49	0.86	1.02	1.87		21,082.58		0.83		21,100.04
Unmitigated	10.95	19.83	107.73	0.23	25.48	1.02	26.49	0.86	1.02	1.87		21,082.58		0.83		21,100.04
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,128.57	2,312.68	1960.61	7,097,045	7,097,045
Parking Structure	0.00	0.00	0.00		
Total	2,128.57	2,312.68	1,960.61	7,097,045	7,097,045

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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 Structure	8.90	13.30	7.40	0.00	0.00	0.00

5.0 Energy Detail

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	0.11	0.98	0.42	0.01		0.00	0.08		0.00	0.08		1,246.53		0.02	0.02	1,254.12
NaturalGas Unmitigated	0.11	0.98	0.42	0.01		0.00	0.08		0.00	0.08		1,246.53		0.02	0.02	1,254.12
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	10595.5	0.11	0.98	0.42	0.01		0.00	0.08		0.00	0.08		1,246.53		0.02	0.02	1,254.12
Parking Structure	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
Total		**0.11**	**0.98**	**0.42**	**0.01**		**0.00**	**0.08**		**0.00**	**0.08**		**1,246.53**		**0.02**	**0.02**	**1,254.12**

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					
Apartments Mid Rise	10.5955	0.11	0.98	0.42	0.01		0.00	0.08		0.00	0.08		1,246.53		0.02	0.02	1,254.12
Parking Structure	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
Total		**0.11**	**0.98**	**0.42**	**0.01**		**0.00**	**0.08**		**0.00**	**0.08**		**1,246.53**		**0.02**	**0.02**	**1,254.12**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	17.40	0.32	27.38	0.00		0.00	0.54		0.00	0.53	0.00	6,204.57		0.17	0.11	6,243.07
Unmitigated	51.21	1.90	134.26	0.26		0.00	17.23		0.00	17.22	2,279.32	5,862.57		9.07	0.14	8,375.65
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	2.56					0.00	0.00		0.00	0.00						0.00
Consumer Products	13.41					0.00	0.00		0.00	0.00						0.00
Hearth	34.38	1.58	106.92	0.26		0.00	17.08		0.00	17.08	2,279.32	5,814.00		9.02	0.14	8,326.05
Landscaping	0.86	0.32	27.34	0.00		0.00	0.15		0.00	0.15		48.57		0.05		49.60
Total	**51.21**	**1.90**	**134.26**	**0.26**		**0.00**	**17.23**		**0.00**	**17.23**	**2,279.32**	**5,862.57**		**9.07**	**0.14**	**8,375.65**

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	2.56					0.00	0.00		0.00	0.00						0.00
Consumer Products	13.41					0.00	0.00		0.00	0.00						0.00
Hearth	0.56	0.00	0.03	0.00		0.00	0.39		0.00	0.39	0.00	6,156.00		0.12	0.11	6,193.46
Landscaping	0.86	0.32	27.34	0.00		0.00	0.15		0.00	0.15		48.57		0.05		49.60
Total	**17.39**	**0.32**	**27.37**	**0.00**		**0.00**	**0.54**		**0.00**	**0.54**	**0.00**	**6,204.57**		**0.17**	**0.11**	**6,243.06**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

City of Fullerton - Orangefair

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	264.33	1000sqft
Apartments Mid Rise	323	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Per project description

Construction Phase - Per project description

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Per project description

Off-road Equipment - Per project description

Off-road Equipment - Per project description

Off-road Equipment - Per project description

Trips and VMT - Estimated based on volume of demolition material consistent with recommended methodology (sq. ft x height x 0.33/27).
19,320 sq. ft. * 10 ft. *0.33/27
Assumes 20 cu. yds. per truck

Demolition -

Grading - Per project description

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	2.06	4.31	4.58	0.01	0.54	0.25	0.79	0.02	0.25	0.27	0.00	804.78	804.78	0.06	0.00	806.00
2015	3.68	5.69	7.16	0.01	0.83	0.33	1.17	0.04	0.33	0.37	0.00	1,306.71	1,306.71	0.08	0.00	1,308.47
2016	0.90	1.29	1.70	0.00	0.21	0.07	0.28	0.01	0.07	0.08	0.00	321.76	321.76	0.02	0.00	322.17
Total	**6.64**	**11.29**	**13.44**	**0.02**	**1.58**	**0.65**	**2.24**	**0.07**	**0.65**	**0.72**	**0.00**	**2,433.25**	**2,433.25**	**0.16**	**0.00**	**2,436.64**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	2.06	4.31	4.58	0.01	0.54	0.25	0.78	0.02	0.25	0.27	0.00	804.78	804.78	0.06	0.00	806.00
2015	3.68	5.69	7.16	0.01	0.83	0.33	1.17	0.04	0.33	0.37	0.00	1,306.71	1,306.71	0.08	0.00	1,308.47
2016	0.90	1.29	1.70	0.00	0.21	0.07	0.28	0.01	0.07	0.08	0.00	321.76	321.76	0.02	0.00	322.17
Total	**6.64**	**11.29**	**13.44**	**0.02**	**1.58**	**0.65**	**2.23**	**0.07**	**0.65**	**0.72**	**0.00**	**2,433.25**	**2,433.25**	**0.16**	**0.00**	**2,436.64**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.14	0.09	7.02	0.00		0.00	0.34		0.00	0.34	34.31	205.82	240.13	0.11	0.00	243.98
Energy	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01	0.00	536.34	536.34	0.02	0.01	539.66
Mobile	1.80	3.39	17.89	0.04	3.87	0.17	4.04	0.14	0.17	0.31	0.00	3,084.85	3,084.85	0.13	0.00	3,087.51
Waste						0.00	0.00		0.00	0.00	30.16	0.00	30.16	1.78	0.00	67.59
Water						0.00	0.00		0.00	0.00	0.00	122.82	122.82	0.65	0.02	142.01
Total	**5.96**	**3.66**	**24.99**	**0.04**	**3.87**	**0.17**	**4.39**	**0.14**	**0.17**	**0.66**	**64.47**	**3,949.83**	**4,014.30**	**2.69**	**0.03**	**4,080.75**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.09	0.06	4.99	0.00		0.00	0.04		0.00	0.04	0.00	217.46	217.46	0.01	0.00	218.90
Energy	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01	0.00	536.34	536.34	0.02	0.01	539.66
Mobile	1.80	3.39	17.89	0.04	3.87	0.17	4.04	0.14	0.17	0.31	0.00	3,084.85	3,084.85	0.13	0.00	3,087.51
Waste						0.00	0.00		0.00	0.00	30.16	0.00	30.16	1.78	0.00	67.59
Water						0.00	0.00		0.00	0.00	0.00	122.82	122.82	0.65	0.02	142.01
Total	**4.91**	**3.63**	**22.96**	**0.04**	**3.87**	**0.17**	**4.09**	**0.14**	**0.17**	**0.36**	**30.16**	**3,961.47**	**3,991.63**	**2.59**	**0.03**	**4,055.67**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.04	0.29	0.23	0.00		0.02	0.02		0.02	0.02	0.00	33.58	33.58	0.00	0.00	33.65
Total	**0.04**	**0.29**	**0.23**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**33.58**	**33.58**	**0.00**	**0.00**	**33.65**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.05	0.03	0.00	0.11	0.00	0.11	0.00	0.00	0.00	0.00	8.73	8.73	0.00	0.00	8.74
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	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.78	0.00	0.00	1.78
Total	**0.01**	**0.05**	**0.04**	**0.00**	**0.11**	**0.00**	**0.11**	**0.00**	**0.00**	**0.00**	**0.00**	**10.51**	**10.51**	**0.00**	**0.00**	**10.52**

3.2 Demolition - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.04	0.29	0.23	0.00		0.02	0.02		0.02	0.02	0.00	33.58	33.58	0.00	0.00	33.65
Total	**0.04**	**0.29**	**0.23**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**33.58**	**33.58**	**0.00**	**0.00**	**33.65**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.05	0.03	0.00	0.11	0.00	0.11	0.00	0.00	0.00	0.00	8.73	8.73	0.00	0.00	8.74
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	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.78	0.00	0.00	1.78
Total	**0.01**	**0.05**	**0.04**	**0.00**	**0.11**	**0.00**	**0.11**	**0.00**	**0.00**	**0.00**	**0.00**	**10.51**	**10.51**	**0.00**	**0.00**	**10.52**

3.3 Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.06	0.47	0.22	0.00		0.02	0.02		0.02	0.02	0.00	52.82	52.82	0.00	0.00	52.92
Total	**0.06**	**0.47**	**0.22**	**0.00**	**0.00**	**0.02**	**0.02**	**0.00**	**0.02**	**0.02**	**0.00**	**52.82**	**52.82**	**0.00**	**0.00**	**52.92**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.87	0.00	0.00	0.87
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.87**	**0.87**	**0.00**	**0.00**	**0.87**

3.3 Grading - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.06	0.47	0.22	0.00		0.02	0.02		0.02	0.02	0.00	52.82	52.82	0.00	0.00	52.92
Total	**0.06**	**0.47**	**0.22**	**0.00**	**0.00**	**0.02**	**0.02**	**0.00**	**0.02**	**0.02**	**0.00**	**52.82**	**52.82**	**0.00**	**0.00**	**52.92**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.87	0.00	0.00	0.87
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.87**	**0.87**	**0.00**	**0.00**	**0.87**

3.4 Infrastructure Installation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.05	0.33	0.26	0.00		0.02	0.02		0.02	0.02	0.00	38.59	38.59	0.00	0.00	38.67
Total	**0.05**	**0.33**	**0.26**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**38.59**	**38.59**	**0.00**	**0.00**	**38.67**

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	tons/yr										MT/yr					
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	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	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.00	0.00	1.68
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.68**	**1.68**	**0.00**	**0.00**	**1.68**

3.4 Infrastructure Installation - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.05	0.33	0.26	0.00		0.02	0.02		0.02	0.02	0.00	38.59	38.59	0.00	0.00	38.67
Total	**0.05**	**0.33**	**0.26**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**38.59**	**38.59**	**0.00**	**0.00**	**38.67**

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	tons/yr										MT/yr					
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	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	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.00	0.00	1.68
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.68**	**1.68**	**0.00**	**0.00**	**1.68**

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.31	2.12	1.53	0.00		0.13	0.13		0.13	0.13	0.00	241.86	241.86	0.03	0.00	242.40
Total	**0.31**	**2.12**	**1.53**	**0.00**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**241.86**	**241.86**	**0.03**	**0.00**	**242.40**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.07	0.71	0.52	0.00	0.04	0.02	0.07	0.00	0.02	0.03	0.00	125.97	125.97	0.00	0.00	126.04
Worker	0.12	0.13	1.35	0.00	0.32	0.01	0.33	0.01	0.01	0.02	0.00	234.94	234.94	0.01	0.00	235.20
Total	**0.19**	**0.84**	**1.87**	**0.00**	**0.36**	**0.03**	**0.40**	**0.01**	**0.03**	**0.05**	**0.00**	**360.91**	**360.91**	**0.01**	**0.00**	**361.24**

3.5 Building Construction - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.31	2.12	1.53	0.00		0.13	0.13		0.13	0.13	0.00	241.86	241.86	0.03	0.00	242.40
Total	**0.31**	**2.12**	**1.53**	**0.00**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**241.86**	**241.86**	**0.03**	**0.00**	**242.40**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.07	0.71	0.52	0.00	0.04	0.02	0.07	0.00	0.02	0.03	0.00	125.97	125.97	0.00	0.00	126.04
Worker	0.12	0.13	1.35	0.00	0.32	0.01	0.33	0.01	0.01	0.02	0.00	234.94	234.94	0.01	0.00	235.20
Total	**0.19**	**0.84**	**1.87**	**0.00**	**0.36**	**0.03**	**0.40**	**0.01**	**0.03**	**0.05**	**0.00**	**360.91**	**360.91**	**0.01**	**0.00**	**361.24**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.13	1.28	0.95	0.00	0.09	0.04	0.13	0.01	0.04	0.05	0.00	249.90	249.90	0.01	0.00	250.02
Worker	0.23	0.23	2.47	0.01	0.62	0.02	0.65	0.03	0.02	0.05	0.00	454.20	454.20	0.02	0.00	454.68
Total	**0.36**	**1.51**	**3.42**	**0.01**	**0.71**	**0.06**	**0.78**	**0.04**	**0.06**	**0.10**	**0.00**	**704.10**	**704.10**	**0.03**	**0.00**	**704.70**

3.5 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.13	1.28	0.95	0.00	0.09	0.04	0.13	0.01	0.04	0.05	0.00	249.90	249.90	0.01	0.00	250.02
Worker	0.23	0.23	2.47	0.01	0.62	0.02	0.65	0.03	0.02	0.05	0.00	454.20	454.20	0.02	0.00	454.68
Total	**0.36**	**1.51**	**3.42**	**0.01**	**0.71**	**0.06**	**0.78**	**0.04**	**0.06**	**0.10**	**0.00**	**704.10**	**704.10**	**0.03**	**0.00**	**704.70**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.13	0.86	0.74	0.00		0.05	0.05		0.05	0.05	0.00	119.10	119.10	0.01	0.00	119.32
Total	**0.13**	**0.86**	**0.74**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**119.10**	**119.10**	**0.01**	**0.00**	**119.32**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.03	0.29	0.22	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.00	62.34	62.34	0.00	0.00	62.37
Worker	0.05	0.05	0.57	0.00	0.16	0.01	0.16	0.01	0.01	0.01	0.00	109.97	109.97	0.01	0.00	110.09
Total	**0.08**	**0.34**	**0.79**	**0.00**	**0.18**	**0.02**	**0.19**	**0.01**	**0.02**	**0.02**	**0.00**	**172.31**	**172.31**	**0.01**	**0.00**	**172.46**

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.13	0.86	0.74	0.00		0.05	0.05		0.05	0.05	0.00	119.10	119.10	0.01	0.00	119.32
Total	**0.13**	**0.86**	**0.74**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**119.10**	**119.10**	**0.01**	**0.00**	**119.32**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.03	0.29	0.22	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.00	62.34	62.34	0.00	0.00	62.37
Worker	0.05	0.05	0.57	0.00	0.16	0.01	0.16	0.01	0.01	0.01	0.00	109.97	109.97	0.01	0.00	110.09
Total	**0.08**	**0.34**	**0.79**	**0.00**	**0.18**	**0.02**	**0.19**	**0.01**	**0.02**	**0.02**	**0.00**	**172.31**	**172.31**	**0.01**	**0.00**	**172.46**

3.6 Architectural Coating - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.35					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.18	0.13	0.00		0.02	0.02		0.02	0.02	0.00	16.83	16.83	0.00	0.00	16.88
Total	**1.38**	**0.18**	**0.13**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**16.83**	**16.83**	**0.00**	**0.00**	**16.88**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.02	0.03	0.27	0.00	0.06	0.00	0.07	0.00	0.00	0.00	0.00	47.12	47.12	0.00	0.00	47.18
Total	**0.02**	**0.03**	**0.27**	**0.00**	**0.06**	**0.00**	**0.07**	**0.00**	**0.00**	**0.00**	**0.00**	**47.12**	**47.12**	**0.00**	**0.00**	**47.18**

3.6 Architectural Coating - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.35					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.18	0.13	0.00		0.02	0.02		0.02	0.02	0.00	16.83	16.83	0.00	0.00	16.88
Total	**1.38**	**0.18**	**0.13**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**16.83**	**16.83**	**0.00**	**0.00**	**16.88**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.02	0.03	0.27	0.00	0.06	0.00	0.07	0.00	0.00	0.00	0.00	47.12	47.12	0.00	0.00	47.18
Total	**0.02**	**0.03**	**0.27**	**0.00**	**0.06**	**0.00**	**0.07**	**0.00**	**0.00**	**0.00**	**0.00**	**47.12**	**47.12**	**0.00**	**0.00**	**47.18**

3.6 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.66					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.05	0.34	0.25	0.00		0.03	0.03		0.03	0.03	0.00	33.28	33.28	0.00	0.00	33.37
Total	**2.71**	**0.34**	**0.25**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**33.28**	**33.28**	**0.00**	**0.00**	**33.37**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.05	0.05	0.50	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	91.10	91.10	0.00	0.00	91.20
Total	**0.05**	**0.05**	**0.50**	**0.00**	**0.13**	**0.00**	**0.13**	**0.01**	**0.00**	**0.01**	**0.00**	**91.10**	**91.10**	**0.00**	**0.00**	**91.20**

3.6 Architectural Coating - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.66					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.05	0.34	0.25	0.00		0.03	0.03		0.03	0.03	0.00	33.28	33.28	0.00	0.00	33.37
Total	**2.71**	**0.34**	**0.25**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**33.28**	**33.28**	**0.00**	**0.00**	**33.37**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.05	0.05	0.50	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	91.10	91.10	0.00	0.00	91.20
Total	**0.05**	**0.05**	**0.50**	**0.00**	**0.13**	**0.00**	**0.13**	**0.01**	**0.00**	**0.01**	**0.00**	**91.10**	**91.10**	**0.00**	**0.00**	**91.20**

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.66					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.08	0.06	0.00		0.01	0.01		0.01	0.01	0.00	8.29	8.29	0.00	0.00	8.31
Total	**0.67**	**0.08**	**0.06**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**8.29**	**8.29**	**0.00**	**0.00**	**8.31**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	22.06	22.06	0.00	0.00	22.08
Total	**0.01**	**0.01**	**0.11**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**22.06**	**22.06**	**0.00**	**0.00**	**22.08**

3.6 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.66					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.08	0.06	0.00		0.01	0.01		0.01	0.01	0.00	8.29	8.29	0.00	0.00	8.31
Total	**0.67**	**0.08**	**0.06**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**8.29**	**8.29**	**0.00**	**0.00**	**8.31**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
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	0.00	0.00	0.00
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	22.06	22.06	0.00	0.00	22.08
Total	**0.01**	**0.01**	**0.11**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**22.06**	**22.06**	**0.00**	**0.00**	**22.08**

4.0 Mobile Detail

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	tons/yr										MT/yr					
Mitigated	1.80	3.39	17.89	0.04	3.87	0.17	4.04	0.14	0.17	0.31	0.00	3,084.85	3,084.85	0.13	0.00	3,087.51
Unmitigated	1.80	3.39	17.89	0.04	3.87	0.17	4.04	0.14	0.17	0.31	0.00	3,084.85	3,084.85	0.13	0.00	3,087.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,128.57	2,312.68	1960.61	7,097,045	7,097,045
Parking Structure	0.00	0.00	0.00		
Total	2,128.57	2,312.68	1,960.61	7,097,045	7,097,045

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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 Structure	8.90	13.30	7.40	0.00	0.00	0.00

5.0 Energy Detail

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	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	329.96	329.96	0.01	0.01	332.03
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	329.96	329.96	0.01	0.01	332.03
NaturalGas Mitigated	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01	0.00	206.38	206.38	0.00	0.00	207.63
NaturalGas Unmitigated	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01	0.00	206.38	206.38	0.00	0.00	207.63
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	tons/yr										MT/yr					
Apartments Mid Rise	3.86737e+006	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01	0.00	206.38	206.38	0.00	0.00	207.63
Parking Structure	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	0.00	0.00
Total		**0.02**	**0.18**	**0.08**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**206.38**	**206.38**	**0.00**	**0.00**	**207.63**

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	tons/yr										MT/yr					
Apartments Mid Rise	3.86737e+006	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01	0.00	206.38	206.38	0.00	0.00	207.63
Parking Structure	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	0.00	0.00
Total		**0.02**	**0.18**	**0.08**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**206.38**	**206.38**	**0.00**	**0.00**	**207.63**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	1.13439e+006					329.96	0.01	0.01	332.03
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**329.96**	**0.01**	**0.01**	**332.03**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	1.13439e+006					329.96	0.01	0.01	332.03
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**329.96**	**0.01**	**0.01**	**332.03**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.09	0.06	4.99	0.00		0.00	0.04		0.00	0.04	0.00	217.46	217.46	0.01	0.00	218.90
Unmitigated	4.14	0.09	7.02	0.00		0.00	0.34		0.00	0.34	34.31	205.82	240.13	0.11	0.00	243.98
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	tons/yr										MT/yr					
Architectural Coating	0.47					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	2.45					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.07	0.03	2.03	0.00		0.00	0.32		0.00	0.32	34.31	197.79	232.10	0.10	0.00	235.77
Landscaping	0.16	0.06	4.99	0.00		0.00	0.03		0.00	0.03	0.00	8.03	8.03	0.01	0.00	8.21
Total	**4.15**	**0.09**	**7.02**	**0.00**		**0.00**	**0.35**		**0.00**	**0.35**	**34.31**	**205.82**	**240.13**	**0.11**	**0.00**	**243.98**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.47					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	2.45					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.02	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	209.42	209.42	0.00	0.00	210.70
Landscaping	0.16	0.06	4.99	0.00		0.00	0.03		0.00	0.03	0.00	8.03	8.03	0.01	0.00	8.21
Total	**3.10**	**0.06**	**4.99**	**0.00**		**0.00**	**0.04**		**0.00**	**0.04**	**0.00**	**217.45**	**217.45**	**0.01**	**0.00**	**218.91**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					122.82	0.65	0.02	142.01
Unmitigated					122.82	0.65	0.02	142.01
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	21.0448 / 13.2673					122.82	0.65	0.02	142.01
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Total						**122.82**	**0.65**	**0.02**	**142.01**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	21.0448 / 13.2673					122.82	0.65	0.02	142.01
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Total						**122.82**	**0.65**	**0.02**	**142.01**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					30.16	1.78	0.00	67.59
Unmitigated					30.16	1.78	0.00	67.59
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	148.58					30.16	1.78	0.00	67.59
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**30.16**	**1.78**	**0.00**	**67.59**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	148.58					30.16	1.78	0.00	67.59
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**30.16**	**1.78**	**0.00**	**67.59**

9.0 Vegetation