Fullerton - Roosevelt

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	19	Dwelling Unit

1.2 Other Project Characteristics

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

1.3 User Entered Comments

Project Characteristics -

Land Use - Acreage based on actual site.
Square footage based on actual proposed

Construction Phase -

Trips and VMT - Demolition includes 40 trips for structures and 80 trips for asphalt removal.

Demolition -

Vehicle Trips - Trip Rate Based on 101 ADT/19 Units.

Construction Off-road Equipment Mitigation -

Energy 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	26.43	38.75	25.30	0.04	5.92	2.19	7.39	2.90	2.19	4.37	0.00	4,591.93	0.00	0.45	0.00	4,601.30
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	26.43	38.75	25.30	0.04	1.18	2.19	2.65	0.59	2.19	2.22	0.00	4,591.93	0.00	0.45	0.00	4,601.30
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	2.80	0.11	7.91	0.02		0.00	1.01		0.00	1.01	134.08	344.86		0.53	0.01	492.69
Energy	0.02	0.20	0.09	0.00		0.00	0.02		0.00	0.02		258.96		0.00	0.00	260.54

Mobile	0.95	1.77	9.55	0.02	2.11	0.09	2.20	0.07	0.09	0.16		1,802.39		0.07		1,803.90
Total	**3.77**	**2.08**	**17.55**	**0.04**	**2.11**	**0.09**	**3.23**	**0.07**	**0.09**	**1.19**	**134.08**	**2,406.21**		**0.60**	**0.01**	**2,557.13**

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	2.80	0.11	7.91	0.02		0.00	1.01		0.00	1.01	134.08	344.86		0.53	0.01	492.69
Energy	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01		225.56		0.00	0.00	226.94
Mobile	0.95	1.77	9.55	0.02	2.11	0.09	2.20	0.07	0.09	0.16		1,802.39		0.07		1,803.90
Total	**3.77**	**2.06**	**17.54**	**0.04**	**2.11**	**0.09**	**3.22**	**0.07**	**0.09**	**1.18**	**134.08**	**2,372.81**		**0.60**	**0.01**	**2,523.53**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

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					
Fugitive Dust					0.43	0.00	0.43	0.00	0.00	0.00						0.00
Off-Road	4.75	35.99	22.84	0.04		2.08	2.08		2.08	2.08		3,946.47		0.42		3,955.39
Total	**4.75**	**35.99**	**22.84**	**0.04**	**0.43**	**2.08**	**2.51**	**0.00**	**2.08**	**2.08**		**3,946.47**		**0.42**		**3,955.39**

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	0.27	2.68	1.66	0.00	2.81	0.11	2.92	0.02	0.11	0.12		490.31		0.01		490.59
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	0.07	0.07	0.80	0.00	0.20	0.01	0.21	0.01	0.01	0.01		155.15		0.01		155.32
Total	**0.34**	**2.75**	**2.46**	**0.00**	**3.01**	**0.12**	**3.13**	**0.03**	**0.12**	**0.13**		**645.46**		**0.02**		**645.91**

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					0.09	0.00	0.09	0.00	0.00	0.00						0.00
Off-Road	4.75	35.99	22.84	0.04		2.08	2.08		2.08	2.08	0.00	3,946.47		0.42		3,955.39
Total	**4.75**	**35.99**	**22.84**	**0.04**	**0.09**	**2.08**	**2.17**	**0.00**	**2.08**	**2.08**	**0.00**	**3,946.47**		**0.42**		**3,955.39**

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	0.27	2.68	1.66	0.00	0.02	0.11	0.12	0.02	0.11	0.12		490.31		0.01		490.59
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	0.07	0.07	0.80	0.00	0.01	0.01	0.01	0.01	0.01	0.01		155.15		0.01		155.32
Total	**0.34**	**2.75**	**2.46**	**0.00**	**0.03**	**0.12**	**0.13**	**0.03**	**0.12**	**0.13**		**645.46**		**0.02**		**645.91**

3.3 Site Preparation - 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					5.80	0.00	5.80	2.90	0.00	2.90						0.00
Off-Road	3.75	29.67	17.95	0.03		1.47	1.47		1.47	1.47		3,253.39		0.34		3,260.45
Total	**3.75**	**29.67**	**17.95**	**0.03**	**5.80**	**1.47**	**7.27**	**2.90**	**1.47**	**4.37**		**3,253.39**		**0.34**		**3,260.45**

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**

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					1.17	0.00	1.17	0.59	0.00	0.59						0.00
Off-Road	3.75	29.67	17.95	0.03		1.47	1.47		1.47	1.47	0.00	3,253.39		0.34		3,260.45
Total	**3.75**	**29.67**	**17.95**	**0.03**	**1.17**	**1.47**	**2.64**	**0.59**	**1.47**	**2.06**	**0.00**	**3,253.39**		**0.34**		**3,260.45**

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

3.4 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					4.91	0.00	4.91	2.48	0.00	2.48						0.00
Off-Road	3.11	24.59	14.80	0.03		1.21	1.21		1.21	1.21		2,689.97		0.28		2,695.82
Total	**3.11**	**24.59**	**14.80**	**0.03**	**4.91**	**1.21**	**6.12**	**2.48**	**1.21**	**3.69**		**2,689.97**		**0.28**		**2,695.82**

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**

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					1.00	0.00	1.00	0.50	0.00	0.50						0.00
Off-Road	3.11	24.59	14.80	0.03		1.21	1.21		1.21	1.21	0.00	2,689.97		0.28		2,695.82
Total	**3.11**	**24.59**	**14.80**	**0.03**	**1.00**	**1.21**	**2.21**	**0.50**	**1.21**	**1.71**	**0.00**	**2,689.97**		**0.28**		**2,695.82**

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

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	4.15	21.74	15.92	0.03		1.46	1.46		1.46	1.46		2,561.58		0.37		2,569.39
Total	**4.15**	**21.74**	**15.92**	**0.03**		**1.46**	**1.46**		**1.46**	**1.46**		**2,561.58**		**0.37**		**2,569.39**

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	0.03	0.28	0.19	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.08		0.00		54.11
Worker	0.04	0.04	0.43	0.00	0.11	0.00	0.11	0.00	0.00	0.01		83.54		0.00		83.63
Total	**0.07**	**0.32**	**0.62**	**0.00**	**0.13**	**0.01**	**0.14**	**0.00**	**0.01**	**0.02**		**137.62**		**0.00**		**137.74**

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	4.15	21.74	15.92	0.03		1.46	1.46		1.46	1.46	0.00	2,561.58		0.37		2,569.39
Total	**4.15**	**21.74**	**15.92**	**0.03**		**1.46**	**1.46**		**1.46**	**1.46**	**0.00**	**2,561.58**		**0.37**		**2,569.39**

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	0.03	0.28	0.19	0.00	0.00	0.01	0.01	0.00	0.01	0.01		54.08		0.00		54.11
Worker	0.04	0.04	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.01		83.54		0.00		83.63
Total	**0.07**	**0.32**	**0.62**	**0.00**	**0.00**	**0.01**	**0.02**	**0.00**	**0.01**	**0.02**		**137.62**		**0.00**		**137.74**

3.6 Paving - 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	2.80	17.55	11.98	0.02		1.46	1.46		1.46	1.46		1,712.73		0.25		1,718.00
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.80**	**17.55**	**11.98**	**0.02**		**1.46**	**1.46**		**1.46**	**1.46**		**1,712.73**		**0.25**		**1,718.00**

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	0.07	0.07	0.80	0.00	0.20	0.01	0.21	0.01	0.01	0.01		155.15		0.01		155.32
Total	**0.07**	**0.07**	**0.80**	**0.00**	**0.20**	**0.01**	**0.21**	**0.01**	**0.01**	**0.01**		**155.15**		**0.01**		**155.32**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.80	17.55	11.98	0.02		1.46	1.46		1.46	1.46	0.00	1,712.73		0.25		1,718.00
Paving	0.00					0.00	0.00		0.00	0.00						0.00

Total	**2.80**	**17.55**	**11.98**	**0.02**		**1.46**	**1.46**		**1.46**	**1.46**	**0.00**	**1,712.73**		**0.25**		**1,718.00**

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	0.07	0.07	0.80	0.00	0.01	0.01	0.01	0.01	0.01	0.01		155.15		0.01		155.32
Total	**0.07**	**0.07**	**0.80**	**0.00**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**		**155.15**		**0.01**		**155.32**

3.7 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	25.98					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	**26.43**	**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	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.93		0.00		11.95
Total	**0.01**	**0.01**	**0.06**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**		**11.93**		**0.00**		**11.95**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.98					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	**26.43**	**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	0.01	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00		11.93		0.00		11.95
Total	**0.01**	**0.01**	**0.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		**11.93**		**0.00**		**11.95**

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	0.95	1.77	9.55	0.02	2.11	0.09	2.20	0.07	0.09	0.16		1,802.39		0.07		1,803.90
Unmitigated	0.95	1.77	9.55	0.02	2.11	0.09	2.20	0.07	0.09	0.16		1,802.39		0.07		1,803.90
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
Single Family Housing	101.00	191.52	166.63	410,684	410,684
Total	101.00	191.52	166.63	410,684	410,684

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
Single Family Housing	12.70	7.00	9.50	40.20	19.20	40.60

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	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01		225.56		0.00	0.00	226.94
NaturalGas Unmitigated	0.02	0.20	0.09	0.00		0.00	0.02		0.00	0.02		258.96		0.00	0.00	260.54
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					
Single Family Housing	2201.16	0.02	0.20	0.09	0.00		0.00	0.02		0.00	0.02		258.96		0.00	0.00	260.54
Total		**0.02**	**0.20**	**0.09**	**0.00**		**0.00**	**0.02**		**0.00**	**0.02**		**258.96**		**0.00**	**0.00**	**260.54**

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					
Single Family Housing	1.9173	0.02	0.18	0.08	0.00		0.00	0.01		0.00	0.01		225.56		0.00	0.00	226.94
Total		**0.02**	**0.18**	**0.08**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**225.56**		**0.00**	**0.00**	**226.94**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.80	0.11	7.91	0.02		0.00	1.01		0.00	1.01	134.08	344.86		0.53	0.01	492.69
Unmitigated	2.80	0.11	7.91	0.02		0.00	1.01		0.00	1.01	134.08	344.86		0.53	0.01	492.69
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	0.07					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.66					0.00	0.00		0.00	0.00						0.00

Hearth	2.02	0.09	6.29	0.02		0.00	1.00		0.00	1.00	134.08	342.00		0.53	0.01	489.77
Landscaping	0.05	0.02	1.62	0.00		0.00	0.01		0.00	0.01		2.86		0.00		2.92
Total	**2.80**	**0.11**	**7.91**	**0.02**		**0.00**	**1.01**		**0.00**	**1.01**	**134.08**	**344.86**		**0.53**	**0.01**	**492.69**

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	0.07					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.66					0.00	0.00		0.00	0.00						0.00
Hearth	2.02	0.09	6.29	0.02		0.00	1.00		0.00	1.00	134.08	342.00		0.53	0.01	489.77
Landscaping	0.05	0.02	1.62	0.00		0.00	0.01		0.00	0.01		2.86		0.00		2.92
Total	**2.80**	**0.11**	**7.91**	**0.02**		**0.00**	**1.01**		**0.00**	**1.01**	**134.08**	**344.86**		**0.53**	**0.01**	**492.69**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation