

Regional Construction Emissions Worksheet

Note: Includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.

Demolition		2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	Fugitive Dust						2.46	0	2.46	0	0	0
	Off-Road		5.65	44.11	27.83	0.05		2.22	2.22		2.22	2.22
	Total		5.65	44.11	27.83	0.05	2.46	2.22	4.68	0	2.22	2.22
Offsite	Hauling		1.21	12.58	7.85	0.02	0.56	0.48	1.04	0.07	0.48	0.55
	Vendor		0	0	0	0	0	0	0	0	0	0
	Worker		0.09	0.09	0.87	0	0.21	0.01	0.22	0.01	0.01	0.02
	Total		1.3	12.67	8.72	0.02	0.77	0.49	1.26	0.08	0.49	0.57
TOTAL		2014	6.95	56.78	36.55	0.07	3.23	2.71	5.94	0.08	2.71	2.79

Site Preparation		2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	Fugitive Dust						7.72	0	7.72	4.25	0	4.25
	Off-Road		6.26	49.34	29.28	0.05		2.49	2.49		2.49	2.49
	Total		6.26	49.34	29.28	0.05	7.72	2.49	10.21	4.25	2.49	6.74
Offsite	Hauling		0	0	0	0	0	0	0	0	0	0
	Vendor		0	0	0	0	0	0	0	0	0	0
	Worker		0.11	0.11	1.05	0	0.25	0.01	0.26	0.01	0.01	0.02
	Total		0.11	0.11	1.05	0	0.25	0.01	0.26	0.01	0.01	0.02
TOTAL		2014	6.37	49.45	30.33	0.05	7.97	2.50	10.47	4.26	2.50	6.76

Grading		2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite	Fugitive Dust						3.71	0	3.71	1.42	0	1.42
	Off-Road		7.72	62.03	35.3	0.07		2.92	2.92		2.92	2.92
	Total		7.72	62.03	35.3	0.07	3.71	2.92	6.63	1.42	2.92	4.34
Offsite	Hauling		0	0	0	0	0	0	0	0	0	0
	Vendor		0	0	0	0	0	0	0	0	0	0
	Worker		0.12	0.12	1.17	0	0.28	0.01	0.29	0.01	0.01	0.02
	Total		0.12	0.12	1.17	0	0.28	0.01	0.29	0.01	0.01	0.02
TOTAL		2014	7.84	62.15	36.47	0.07	3.99	2.93	6.92	1.43	2.93	4.36

Building Construction		2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite			3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71
Offsite			28.7	119.25	263.63	0.55	52.25	4.75	57.01	2.38	4.75	7.13
TOTAL		2014	32.68	145.46	282.77	0.58	52.25	6.46	58.72	2.38	6.46	8.84

Paving		2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite			3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66
Offsite			0.09	0.09	0.87	0	0.21	0.01	0.22	0.01	0.01	0.02
TOTAL		2014	3.72	26.90	17.29	0.03	0.21	1.67	1.88	0.01	1.67	1.68

Architectural Coating		2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite			172.82	2.77	1.92	0		0.24	0.24		0.24	0.24
Offsite			3.9	4.08	38.7	0.08	9.31	0.32	9.63	0.38	0.32	0.7
TOTAL		2014	176.72	6.85	40.62	0.08	9.31	0.56	9.87	0.38	0.56	0.94

Building Construction+Finishing/Landscaping **234.28** **347.59** **444.03** **0.88** **76.96** **16.83** **93.80** **8.54** **16.83** **25.37**

MAX DAILY **234.28** **347.59** **444.03** **0.88** **76.96** **16.83** **93.80** **8.54** **16.83** **25.37**

Regional Thresholds
Exceeds Thresholds? **75** **250** **550** **250** **100** **55**
 Yes **Yes** **No** **No** **No** **No**

Maximum Emissions

Note: Includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.

**Construction
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	375	1000sqft
General Light Industry	195	1000sqft
Apartments Mid Rise	3884	Dwelling Unit
Strip Mall	998.721	1000sqft

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 - Based on project description. Assumes 1,555,000 building square feet of existing non-residential existing land uses would be demolished.
- Construction Phase - Interpotated 21-year construction schedule based on default CalEEMod schedule.
- Off-road Equipment -
- Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.
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Demolition -
 Grading -
 Architectural Coating - Modeling also assumes a VOC of 100 g/L for interior paints pursuant to SCAQMD Rule 1113
 Construction Off-road Equipment Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Year	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
	tons/yr										MT/yr					
2014	29.98	41.67	56.88	0.11	31.42	2.06	33.49	2.02	2.06	4.09	0.00	10,458.02	10,458.02	0.62	0.00	10,471.06
2015	7.11	21.22	38.09	0.09	9.10	1.01	10.11	1.06	1.01	2.07	0.00	7,608.95	7,608.95	0.37	0.00	7,616.67
2016	3.50	14.95	32.04	0.08	6.76	0.71	7.47	0.31	0.71	1.03	0.00	6,800.89	6,800.89	0.29	0.00	6,806.91
2017	3.27	13.72	29.77	0.08	6.73	0.66	7.39	0.31	0.66	0.97	0.00	6,688.82	6,688.82	0.27	0.00	6,694.41
2018	3.08	12.73	27.91	0.08	6.76	0.62	7.38	0.11	0.58	0.69	0.00	6,632.60	6,632.60	0.25	0.00	6,637.81
2019	2.90	11.84	26.18	0.08	6.76	0.58	7.34	0.11	0.54	0.65	0.00	6,556.55	6,556.55	0.23	0.00	6,561.42
2020	2.77	11.10	24.73	0.08	6.78	0.55	7.33	0.11	0.51	0.62	0.00	6,510.76	6,510.76	0.22	0.00	6,515.35
2021	2.63	10.37	23.36	0.08	6.76	0.52	7.27	0.11	0.48	0.59	0.00	6,431.66	6,431.66	0.21	0.00	6,436.00
2022	2.50	9.75	22.07	0.08	6.73	0.49	7.22	0.11	0.46	0.57	0.00	6,348.48	6,348.48	0.19	0.00	6,352.55
2023	2.39	9.25	20.98	0.08	6.73	0.46	7.20	0.11	0.43	0.54	0.00	6,294.50	6,294.50	0.19	0.00	6,298.38
2024	2.32	8.91	20.18	0.08	6.78	0.45	7.23	0.11	0.42	0.53	0.00	6,294.21	6,294.21	0.18	0.00	6,297.93
2025	2.22	8.53	19.28	0.08	6.76	0.43	7.19	0.11	0.40	0.52	0.00	6,225.11	6,225.11	0.17	0.00	6,228.66
2026	2.22	8.53	19.28	0.08	6.76	0.43	7.19	0.11	0.40	0.52	0.00	6,225.11	6,225.11	0.17	0.00	6,228.66
2027	2.22	8.53	19.28	0.08	6.76	0.43	7.19	0.11	0.40	0.52	0.00	6,225.11	6,225.11	0.17	0.00	6,228.66
2028	2.22	8.49	19.21	0.08	6.73	0.43	7.17	0.11	0.40	0.51	0.00	6,201.26	6,201.26	0.17	0.00	6,204.80
2029	1.77	6.80	15.37	0.06	5.39	0.35	5.73	0.09	0.32	0.41	0.00	4,961.00	4,961.00	0.13	0.00	4,963.84
Total	73.10	206.39	414.61	1.30	133.71	10.18	143.90	5.00	9.78	14.83	0.00	106,463.03	106,463.03	3.83	0.00	106,543.11

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	29.98	41.67	56.88	0.11	26.71	2.06	28.77	1.08	2.06	3.14	0.00	10,458.02	10,458.02	0.62	0.00	10,471.06
2015	7.11	21.22	38.09	0.09	7.44	1.01	8.45	0.64	1.01	1.65	0.00	7,608.95	7,608.95	0.37	0.00	7,616.67
2016	3.50	14.95	32.04	0.08	6.18	0.71	6.89	0.31	0.71	1.03	0.00	6,800.89	6,800.89	0.29	0.00	6,806.91
2017	3.27	13.72	29.77	0.08	6.15	0.66	6.82	0.31	0.66	0.97	0.00	6,688.82	6,688.82	0.27	0.00	6,694.41
2018	3.38	12.73	27.91	0.08	6.18	0.62	6.80	0.11	0.58	0.69	0.00	6,632.60	6,632.60	0.25	0.00	6,637.81
2019	2.90	11.84	26.18	0.08	6.18	0.58	6.76	0.11	0.54	0.65	0.00	6,556.55	6,556.55	0.23	0.00	6,561.42
2020	2.77	11.10	24.73	0.08	6.20	0.55	6.75	0.11	0.51	0.62	0.00	6,510.76	6,510.76	0.22	0.00	6,515.35
2021	2.63	10.37	23.36	0.08	6.18	0.52	6.69	0.11	0.48	0.59	0.00	6,431.66	6,431.66	0.21	0.00	6,436.00
2022	2.50	9.75	22.07	0.08	6.15	0.49	6.64	0.11	0.46	0.57	0.00	6,348.48	6,348.48	0.19	0.00	6,352.55
2023	2.39	9.25	20.98	0.08	6.15	0.46	6.62	0.11	0.43	0.54	0.00	6,294.50	6,294.50	0.19	0.00	6,298.38
2024	2.32	8.91	20.18	0.08	6.20	0.45	6.65	0.11	0.42	0.53	0.00	6,294.21	6,294.21	0.18	0.00	6,297.93
2025	2.22	8.53	19.28	0.08	6.18	0.43	6.61	0.11	0.40	0.52	0.00	6,225.11	6,225.11	0.17	0.00	6,228.66
2026	2.22	8.53	19.28	0.08	6.18	0.43	6.61	0.11	0.40	0.52	0.00	6,225.11	6,225.11	0.17	0.00	6,228.66
2027	2.22	8.53	19.28	0.08	6.18	0.43	6.61	0.11	0.40	0.52	0.00	6,225.11	6,225.11	0.17	0.00	6,228.66
2028	2.22	8.49	19.21	0.08	6.15	0.43	6.59	0.11	0.40	0.51	0.00	6,201.26	6,201.26	0.17	0.00	6,204.80
2029	1.77	6.80	15.37	0.06	4.92	0.35	5.27	0.08	0.32	0.41	0.00	4,961.00	4,961.00	0.13	0.00	4,963.84
Total	73.10	206.39	414.61	1.30	119.33	10.18	129.53	3.64	9.78	13.46	0.00	106,463.03	106,463.03	3.83	0.00	106,543.11

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- 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	tons/yr										MT/yr					
Fugitive Dust					0.75	0.00	0.75	0.11	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.74	5.76	3.63	0.01		0.29	0.29		0.29	0.29	0.00	595.81	595.81	0.06	0.00	597.06
Total	0.74	5.76	3.63	0.01	0.75	0.29	1.04	0.11	0.29	0.40	0.00	595.81	595.81	0.06	0.00	597.06

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	0.16	1.53	1.00	0.00	19.37	0.06	19.43	0.01	0.06	0.07	0.00	256.82	256.82	0.01	0.00	256.97
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	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	20.26	20.26	0.00	0.00	20.28
Total	0.17	1.54	1.12	0.00	19.40	0.06	19.46	0.01	0.06	0.07	0.00	277.08	277.08	0.01	0.00	277.25

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					0.32	0.00	0.32	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.74	5.76	3.63	0.01		0.29	0.29		0.29	0.29	0.00	595.81	595.81	0.06	0.00	597.06
Total	0.74	5.76	3.63	0.01	0.32	0.29	0.61	0.05	0.29	0.34	0.00	595.81	595.81	0.06	0.00	597.06

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	0.16	1.53	1.00	0.00	17.63	0.06	17.69	0.01	0.06	0.07	0.00	256.82	256.82	0.01	0.00	256.97
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	0.12	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	20.26	20.26	0.00	0.00	20.28
Total	0.17	1.54	1.12	0.00	17.65	0.06	17.72	0.01	0.06	0.07	0.00	277.08	277.08	0.01	0.00	277.25

3.2 Demolition - 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					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.10	0.07	0.00		0.01	0.01		0.01	0.01	0.00	11.41	11.41	0.00	0.00	11.44
Total	0.01	0.10	0.07	0.00	0.01	0.01	0.02	0.00	0.01	0.01	0.00	11.41	11.41	0.00	0.00	11.44

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	0.03	0.02	0.00	0.37	0.00	0.37	0.00	0.00	0.00	0.00	4.94	4.94	0.00	0.00	4.94
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38
Total	0.00	0.03	0.02	0.00	0.37	0.00	0.37	0.00	0.00	0.00	0.00	5.32	5.32	0.00	0.00	5.32

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	tons/yr										MT/yr					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.10	0.07	0.00		0.01	0.01		0.01	0.01	0.00	11.41	11.41	0.00	0.00	11.44
Total	0.01	0.10	0.07	0.00	0.01	0.01	0.02	0.00	0.01	0.01	0.00	11.41	11.41	0.00	0.00	11.44

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	0.03	0.02	0.00	0.34	0.00	0.34	0.00	0.00	0.00	0.00	4.94	4.94	0.00	0.00	4.94
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38
Total	0.00	0.03	0.02	0.00	0.34	0.00	0.34	0.00	0.00	0.00	0.00	5.32	5.32	0.00	0.00	5.32

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	tons/yr										MT/yr					
Fugitive Dust					1.45	0.00	1.45	0.79	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.50	3.95	2.34	0.00		0.20	0.20		0.20	0.20	0.00	386.30	386.30	0.04	0.00	387.15
Total	0.50	3.95	2.34	0.00	1.45	0.20	1.65	0.79	0.20	0.99	0.00	386.30	386.30	0.04	0.00	387.15

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	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.90	14.90	0.00	0.00	14.92
Total	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.90	14.90	0.00	0.00	14.92

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					0.62	0.00	0.62	0.34	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.50	3.95	2.34	0.00		0.20	0.20		0.20	0.20	0.00	386.30	386.30	0.04	0.00	387.15
Total	0.50	3.95	2.34	0.00	0.62	0.20	0.82	0.34	0.20	0.54	0.00	386.30	386.30	0.04	0.00	387.15

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	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.90	14.90	0.00	0.00	14.92
Total	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.90	14.90	0.00	0.00	14.92

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	tons/yr										MT/yr					
Fugitive Dust					1.79	0.00	1.79	0.74	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.01	8.09	4.61	0.01		0.38	0.38		0.38	0.38	0.00	882.44	882.44	0.08	0.00	884.15
Total	1.01	8.09	4.61	0.01	1.79	0.38	2.17	0.74	0.38	1.12	0.00	882.44	882.44	0.08	0.00	884.15

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	0.16	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	27.01	27.01	0.00	0.00	27.04
Total	0.01	0.01	0.16	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	27.01	27.01	0.00	0.00	27.04

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					0.76	0.00	0.76	0.32	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.01	8.09	4.61	0.01		0.38	0.38		0.38	0.38	0.00	882.44	882.44	0.08	0.00	884.15
Total	1.01	8.09	4.61	0.01	0.76	0.38	1.14	0.32	0.38	0.70	0.00	882.44	882.44	0.08	0.00	884.15

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	0.16	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	27.01	27.01	0.00	0.00	27.04
Total	0.01	0.01	0.16	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	27.01	27.01	0.00	0.00	27.04

3.4 Grading - 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					
Fugitive Dust					1.79	0.00	1.79	0.74	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.55	4.30	2.58	0.01		0.20	0.20		0.20	0.20	0.00	510.53	510.53	0.04	0.00	511.46
Total	0.55	4.30	2.58	0.01	1.79	0.20	1.99	0.74	0.20	0.94	0.00	510.53	510.53	0.04	0.00	511.46

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	0.08	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.28	15.28	0.00	0.00	15.29
Total	0.01	0.01	0.08	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.28	15.28	0.00	0.00	15.29

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	tons/yr										MT/yr					
Fugitive Dust					0.76	0.00	0.76	0.32	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.55	4.30	2.58	0.01		0.20	0.20		0.20	0.20	0.00	510.53	510.53	0.04	0.00	511.46
Total	0.55	4.30	2.58	0.01	0.76	0.20	0.96	0.32	0.20	0.52	0.00	510.53	510.53	0.04	0.00	511.46

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	0.08	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.28	15.28	0.00	0.00	15.29
Total	0.01	0.01	0.08	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.28	15.28	0.00	0.00	15.29

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	0.52	3.42	2.50	0.00		0.22	0.22		0.22	0.22	0.00	384.94	384.94	0.04	0.00	385.83
Total	0.52	3.42	2.50	0.00		0.22	0.22		0.22	0.22	0.00	384.94	384.94	0.04	0.00	385.83

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	1.18	12.16	8.92	0.02	0.74	0.41	1.15	0.06	0.41	0.47	0.00	2,145.91	2,145.91	0.05	0.00	2,147.04
Worker	2.34	2.39	25.84	0.05	6.01	0.21	6.23	0.25	0.21	0.46	0.00	4,480.56	4,480.56	0.24	0.00	4,485.60
Total	3.52	14.55	34.76	0.07	6.75	0.62	7.38	0.31	0.62	0.93	0.00	6,626.47	6,626.47	0.29	0.00	6,632.64

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	0.52	3.42	2.50	0.00		0.22	0.22		0.22	0.22	0.00	384.94	384.94	0.04	0.00	385.83
Total	0.52	3.42	2.50	0.00		0.22	0.22		0.22	0.22	0.00	384.94	384.94	0.04	0.00	385.83

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	1.18	12.16	8.92	0.02	0.68	0.41	1.09	0.06	0.41	0.47	0.00	2,145.91	2,145.91	0.05	0.00	2,147.04
Worker	2.34	2.39	25.84	0.05	5.50	0.21	5.71	0.25	0.21	0.46	0.00	4,480.56	4,480.56	0.24	0.00	4,485.60
Total	3.52	14.55	34.76	0.07	6.18	0.62	6.80	0.31	0.62	0.93	0.00	6,626.47	6,626.47	0.29	0.00	6,632.64

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	0.47	3.12	2.47	0.00		0.20	0.20		0.20	0.20	0.00	384.94	384.94	0.04	0.00	385.75
Total	0.47	3.12	2.47	0.00		0.20	0.20		0.20	0.20	0.00	384.94	384.94	0.04	0.00	385.75

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	1.08	11.02	8.21	0.02	0.74	0.36	1.10	0.06	0.36	0.42	0.00	2,152.98	2,152.98	0.05	0.00	2,154.01
Worker	2.20	2.18	23.80	0.05	6.01	0.21	6.23	0.25	0.21	0.46	0.00	4,380.89	4,380.89	0.22	0.00	4,385.58
Total	3.28	13.20	32.01	0.07	6.75	0.57	7.33	0.31	0.57	0.88	0.00	6,533.87	6,533.87	0.27	0.00	6,539.59

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	0.47	3.12	2.47	0.00		0.20	0.20		0.20	0.20	0.00	384.94	384.94	0.04	0.00	385.75
Total	0.47	3.12	2.47	0.00		0.20	0.20		0.20	0.20	0.00	384.94	384.94	0.04	0.00	385.75

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	1.08	11.02	8.21	0.02	0.68	0.36	1.04	0.06	0.36	0.42	0.00	2,152.98	2,152.98	0.05	0.00	2,154.01
Worker	2.20	2.18	23.80	0.05	5.50	0.21	5.71	0.25	0.21	0.46	0.00	4,380.89	4,380.89	0.22	0.00	4,385.58
Total	3.28	13.20	32.01	0.07	6.18	0.57	6.75	0.31	0.57	0.88	0.00	6,533.87	6,533.87	0.27	0.00	6,539.59

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	0.43	2.85	2.45	0.00		0.17	0.17		0.17	0.17	0.00	384.94	384.94	0.04	0.00	385.68
Total	0.43	2.85	2.45	0.00		0.17	0.17		0.17	0.17	0.00	384.94	384.94	0.04	0.00	385.68

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	0.99	10.11	7.63	0.02	0.74	0.33	1.07	0.06	0.33	0.39	0.00	2,156.71	2,156.71	0.04	0.00	2,157.65
Worker	2.07	1.99	21.96	0.05	6.01	0.21	6.23	0.25	0.21	0.46	0.00	4,259.23	4,259.23	0.21	0.00	4,263.57
Total	3.06	12.10	29.59	0.07	6.75	0.54	7.30	0.31	0.54	0.85	0.00	6,415.94	6,415.94	0.25	0.00	6,421.22

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	0.43	2.85	2.45	0.00		0.17	0.17		0.17	0.17	0.00	384.94	384.94	0.04	0.00	385.68
Total	0.43	2.85	2.45	0.00		0.17	0.17		0.17	0.17	0.00	384.94	384.94	0.04	0.00	385.68

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	0.99	10.11	7.63	0.02	0.68	0.33	1.01	0.06	0.33	0.39	0.00	2,156.71	2,156.71	0.04	0.00	2,157.65
Worker	2.07	1.99	21.96	0.05	5.50	0.21	5.71	0.25	0.21	0.46	0.00	4,259.23	4,259.23	0.21	0.00	4,263.57
Total	3.06	12.10	29.59	0.07	6.18	0.54	6.72	0.31	0.54	0.85	0.00	6,415.94	6,415.94	0.25	0.00	6,421.22

3.5 Building Construction - 2017

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	0.40	2.58	2.42	0.00		0.15	0.15		0.15	0.15	0.00	383.47	383.47	0.03	0.00	384.14
Total	0.40	2.58	2.42	0.00		0.15	0.15		0.15	0.15	0.00	383.47	383.47	0.03	0.00	384.14

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	0.92	9.32	7.11	0.02	0.74	0.30	1.04	0.06	0.30	0.36	0.00	2,154.31	2,154.31	0.04	0.00	2,155.18
Worker	1.95	1.82	20.24	0.05	5.99	0.21	6.21	0.25	0.21	0.46	0.00	4,151.05	4,151.05	0.19	0.00	4,155.10
Total	2.87	11.14	27.35	0.07	6.73	0.51	7.25	0.31	0.51	0.82	0.00	6,305.36	6,305.36	0.23	0.00	6,310.28

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	0.40	2.58	2.42	0.00		0.15	0.15		0.15	0.15	0.00	383.47	383.47	0.03	0.00	384.14
Total	0.40	2.58	2.42	0.00		0.15	0.15		0.15	0.15	0.00	383.47	383.47	0.03	0.00	384.14

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	0.92	9.32	7.11	0.02	0.68	0.30	0.98	0.06	0.30	0.36	0.00	2,154.31	2,154.31	0.04	0.00	2,155.18
Worker	1.95	1.82	20.24	0.05	5.47	0.21	5.69	0.25	0.21	0.46	0.00	4,151.05	4,151.05	0.19	0.00	4,155.10
Total	2.87	11.14	27.35	0.07	6.15	0.51	6.67	0.31	0.51	0.82	0.00	6,305.36	6,305.36	0.23	0.00	6,310.28

3.5 Building Construction - 2018

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	0.36	2.35	2.41	0.00		0.13	0.13		0.13	0.13	0.00	384.94	384.94	0.03	0.00	385.55
Total	0.36	2.35	2.41	0.00		0.13	0.13		0.13	0.13	0.00	384.94	384.94	0.03	0.00	385.55

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	0.86	8.71	6.67	0.02	0.74	0.27	1.02	0.02	0.25	0.27	0.00	2,168.23	2,168.23	0.04	0.00	2,169.04
Worker	1.86	1.67	18.82	0.05	6.01	0.22	6.23	0.09	0.20	0.29	0.00	4,079.43	4,079.43	0.18	0.00	4,083.22
Total	2.72	10.38	25.49	0.07	6.75	0.49	7.25	0.11	0.45	0.56	0.00	6,247.66	6,247.66	0.22	0.00	6,252.26

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	0.36	2.35	2.41	0.00		0.13	0.13		0.13	0.13	0.00	384.94	384.94	0.03	0.00	385.55
Total	0.36	2.35	2.41	0.00		0.13	0.13		0.13	0.13	0.00	384.94	384.94	0.03	0.00	385.55

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	0.86	8.71	6.67	0.02	0.68	0.27	0.95	0.02	0.25	0.27	0.00	2,168.23	2,168.23	0.04	0.00	2,169.04
Worker	1.86	1.67	18.82	0.05	5.50	0.22	5.71	0.09	0.20	0.29	0.00	4,079.43	4,079.43	0.18	0.00	4,083.22
Total	2.72	10.38	25.49	0.07	6.18	0.49	6.66	0.11	0.45	0.56	0.00	6,247.66	6,247.66	0.22	0.00	6,252.26

3.5 Building Construction - 2019

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	0.33	2.14	2.40	0.00		0.11	0.11		0.11	0.11	0.00	384.94	384.94	0.03	0.00	385.50
Total	0.33	2.14	2.40	0.00		0.11	0.11		0.11	0.11	0.00	384.94	384.94	0.03	0.00	385.50

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.80	8.16	6.23	0.02	0.74	0.25	0.99	0.02	0.23	0.25	0.00	2,173.76	2,173.76	0.04	0.00	2,174.51
Worker	1.77	1.54	17.54	0.05	6.01	0.22	6.23	0.08	0.20	0.28	0.00	3,997.85	3,997.85	0.17	0.00	4,001.41
Total	2.57	9.70	23.77	0.07	6.75	0.47	7.22	0.11	0.43	0.54	0.00	6,171.61	6,171.61	0.21	0.00	6,175.92

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	0.33	2.14	2.40	0.00		0.11	0.11		0.11	0.11	0.00	384.94	384.94	0.03	0.00	385.50
Total	0.33	2.14	2.40	0.00		0.11	0.11		0.11	0.11	0.00	384.94	384.94	0.03	0.00	385.50

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.80	8.16	6.23	0.02	0.68	0.25	0.93	0.02	0.23	0.25	0.00	2,173.76	2,173.76	0.04	0.00	2,174.51
Worker	1.77	1.54	17.54	0.05	5.50	0.22	5.71	0.09	0.20	0.29	0.00	3,997.85	3,997.85	0.17	0.00	4,001.41
Total	2.57	9.70	23.77	0.07	6.18	0.47	6.64	0.11	0.43	0.54	0.00	6,171.61	6,171.61	0.21	0.00	6,175.92

3.5 Building Construction - 2020

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	0.30	1.96	2.39	0.00		0.10	0.10		0.10	0.10	0.00	386.42	386.42	0.02	0.00	386.93
Total	0.30	1.96	2.39	0.00		0.10	0.10		0.10	0.10	0.00	386.42	386.42	0.02	0.00	386.93

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	0.76	7.72	5.87	0.02	0.75	0.23	0.98	0.02	0.21	0.23	0.00	2,187.27	2,187.27	0.03	0.00	2,187.97
Worker	1.71	1.42	16.47	0.05	6.04	0.22	6.26	0.09	0.20	0.29	0.00	3,937.08	3,937.08	0.16	0.00	3,940.45
Total	2.47	9.14	22.34	0.07	6.79	0.45	7.24	0.11	0.41	0.52	0.00	6,124.35	6,124.35	0.19	0.00	6,128.42

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	0.30	1.96	2.39	0.00		0.10	0.10		0.10	0.10	0.00	386.42	386.42	0.02	0.00	386.93
Total	0.30	1.96	2.39	0.00		0.10	0.10		0.10	0.10	0.00	386.42	386.42	0.02	0.00	386.93

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	0.76	7.72	5.87	0.02	0.68	0.23	0.92	0.02	0.21	0.23	0.00	2,187.27	2,187.27	0.03	0.00	2,187.97
Worker	1.71	1.42	16.47	0.05	5.52	0.22	5.73	0.09	0.20	0.29	0.00	3,937.08	3,937.08	0.16	0.00	3,940.45
Total	2.47	9.14	22.34	0.07	6.20	0.45	6.65	0.11	0.41	0.52	0.00	6,124.35	6,124.35	0.19	0.00	6,128.42

3.5 Building Construction - 2021

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	0.27	1.76	2.37	0.00		0.08	0.08		0.08	0.08	0.00	384.94	384.94	0.02	0.00	385.40
Total	0.27	1.76	2.37	0.00		0.08	0.08		0.08	0.08	0.00	384.94	384.94	0.02	0.00	385.40

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	0.71	7.30	5.53	0.02	0.74	0.21	0.96	0.02	0.20	0.22	0.00	2,183.73	2,183.73	0.03	0.00	2,184.39
Worker	1.64	1.32	15.47	0.05	6.01	0.22	6.23	0.09	0.20	0.29	0.00	3,862.99	3,862.99	0.15	0.00	3,866.20
Total	2.35	8.62	21.00	0.07	6.75	0.43	7.19	0.11	0.40	0.51	0.00	6,046.72	6,046.72	0.18	0.00	6,050.59

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	0.27	1.76	2.37	0.00		0.08	0.08		0.08	0.08	0.00	384.94	384.94	0.02	0.00	385.40
Total	0.27	1.76	2.37	0.00		0.08	0.08		0.08	0.08	0.00	384.94	384.94	0.02	0.00	385.40

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	0.71	7.30	5.53	0.02	0.68	0.21	0.90	0.02	0.20	0.22	0.00	2,183.73	2,183.73	0.03	0.00	2,184.39
Worker	1.64	1.32	15.47	0.05	5.50	0.22	5.71	0.09	0.20	0.29	0.00	3,862.99	3,862.99	0.15	0.00	3,866.20
Total	2.35	8.62	21.00	0.07	6.18	0.43	6.61	0.11	0.40	0.51	0.00	6,046.72	6,046.72	0.18	0.00	6,050.59

3.5 Building Construction - 2022

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	0.25	1.60	2.35	0.00		0.07	0.07		0.07	0.07	0.00	383.47	383.47	0.02	0.00	383.90
Total	0.25	1.60	2.35	0.00		0.07	0.07		0.07	0.07	0.00	383.47	383.47	0.02	0.00	383.90

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	0.67	6.93	5.21	0.02	0.74	0.20	0.94	0.02	0.18	0.20	0.00	2,180.04	2,180.04	0.03	0.00	2,180.66
Worker	1.57	1.22	14.50	0.05	5.99	0.22	6.21	0.09	0.20	0.29	0.00	3,784.98	3,784.98	0.14	0.00	3,788.00
Total	2.24	8.15	19.71	0.07	6.73	0.42	7.15	0.11	0.38	0.49	0.00	5,965.02	5,965.02	0.17	0.00	5,968.66

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	0.25	1.60	2.35	0.00		0.07	0.07		0.07	0.07	0.00	383.47	383.47	0.02	0.00	383.90
Total	0.25	1.60	2.35	0.00		0.07	0.07		0.07	0.07	0.00	383.47	383.47	0.02	0.00	383.90

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	0.67	6.93	5.21	0.02	0.68	0.20	0.88	0.02	0.18	0.20	0.00	2,180.04	2,180.04	0.03	0.00	2,180.66
Worker	1.57	1.22	14.50	0.05	5.47	0.22	5.69	0.09	0.20	0.29	0.00	3,784.98	3,784.98	0.14	0.00	3,788.00
Total	2.24	8.15	19.71	0.07	6.15	0.42	6.57	0.11	0.38	0.49	0.00	5,965.02	5,965.02	0.17	0.00	5,968.66

3.5 Building Construction - 2023

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	0.24	1.46	2.35	0.00		0.06	0.06		0.06	0.06	0.00	383.47	383.47	0.02	0.00	383.87
Total	0.24	1.46	2.35	0.00		0.06	0.06		0.06	0.06	0.00	383.47	383.47	0.02	0.00	383.87

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	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	0.64	6.65	4.96	0.02	0.74	0.19	0.93	0.02	0.17	0.19	0.00	2,184.58	2,184.58	0.03	0.00	2,185.17
Worker	1.52	1.14	13.67	0.05	5.99	0.22	6.21	0.09	0.20	0.29	0.00	3,726.45	3,726.45	0.14	0.00	3,729.35
Total	2.16	7.79	18.63	0.07	6.73	0.41	7.14	0.11	0.37	0.48	0.00	5,911.03	5,911.03	0.17	0.00	5,914.52

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	0.24	1.46	2.35	0.00		0.06	0.06		0.06	0.06	0.00	383.47	383.47	0.02	0.00	383.87
Total	0.24	1.46	2.35	0.00		0.06	0.06		0.06	0.06	0.00	383.47	383.47	0.02	0.00	383.87

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	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	0.64	6.65	4.96	0.02	0.68	0.19	0.87	0.02	0.17	0.19	0.00	2,184.58	2,184.58	0.03	0.00	2,185.17
Worker	1.52	1.14	13.67	0.05	5.47	0.22	5.69	0.09	0.20	0.29	0.00	3,726.45	3,726.45	0.14	0.00	3,729.35
Total	2.16	7.79	18.63	0.07	6.15	0.41	6.56	0.11	0.37	0.48	0.00	5,911.03	5,911.03	0.17	0.00	5,914.52

3.5 Building Construction - 2024

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	0.23	1.35	2.36	0.00		0.05	0.05		0.05	0.05	0.00	386.42	386.42	0.02	0.00	386.80
Total	0.23	1.35	2.36	0.00		0.05	0.05		0.05	0.05	0.00	386.42	386.42	0.02	0.00	386.80

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	0.62	6.49	4.78	0.02	0.75	0.18	0.93	0.02	0.17	0.19	0.00	2,203.83	2,203.83	0.03	0.00	2,204.39
Worker	1.47	1.07	13.04	0.05	6.04	0.22	6.26	0.09	0.21	0.30	0.00	3,703.97	3,703.97	0.13	0.00	3,706.74
Total	2.09	7.56	17.82	0.07	6.79	0.40	7.19	0.11	0.38	0.49	0.00	5,907.80	5,907.80	0.16	0.00	5,911.13

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	0.23	1.35	2.36	0.00		0.05	0.05		0.05	0.05	0.00	386.42	386.42	0.02	0.00	386.80
Total	0.23	1.35	2.36	0.00		0.05	0.05		0.05	0.05	0.00	386.42	386.42	0.02	0.00	386.80

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	0.62	6.49	4.78	0.02	0.68	0.18	0.86	0.02	0.17	0.19	0.00	2,203.83	2,203.83	0.03	0.00	2,204.39
Worker	1.47	1.07	13.04	0.05	5.52	0.22	5.74	0.09	0.21	0.30	0.00	3,703.97	3,703.97	0.13	0.00	3,706.74
Total	2.09	7.56	17.82	0.07	6.20	0.40	6.60	0.11	0.38	0.49	0.00	5,907.80	5,907.80	0.16	0.00	5,911.13

3.5 Building Construction - 2025

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	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30
Total	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30

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	0.60	6.29	4.58	0.02	0.74	0.17	0.91	0.02	0.16	0.18	0.00	2,198.65	2,198.65	0.03	0.00	2,199.19
Worker	1.42	1.00	12.35	0.05	6.01	0.22	6.24	0.09	0.20	0.29	0.00	3,641.52	3,641.52	0.13	0.00	3,644.17
Total	2.02	7.29	16.93	0.07	6.75	0.39	7.15	0.11	0.36	0.47	0.00	5,840.17	5,840.17	0.16	0.00	5,843.36

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	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30
Total	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30

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	0.60	6.29	4.58	0.02	0.68	0.17	0.85	0.02	0.16	0.18	0.00	2,198.65	2,198.65	0.03	0.00	2,199.19
Worker	1.42	1.00	12.35	0.05	5.50	0.22	5.72	0.09	0.20	0.29	0.00	3,641.52	3,641.52	0.13	0.00	3,644.17
Total	2.02	7.29	16.93	0.07	6.18	0.39	6.57	0.11	0.36	0.47	0.00	5,840.17	5,840.17	0.16	0.00	5,843.36

3.5 Building Construction - 2026

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	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30
Total	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30

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	0.60	6.29	4.58	0.02	0.74	0.17	0.91	0.02	0.16	0.18	0.00	2,198.65	2,198.65	0.03	0.00	2,199.19
Worker	1.42	1.00	12.35	0.05	6.01	0.22	6.24	0.09	0.20	0.29	0.00	3,641.52	3,641.52	0.13	0.00	3,644.17
Total	2.02	7.29	16.93	0.07	6.75	0.39	7.15	0.11	0.36	0.47	0.00	5,840.17	5,840.17	0.16	0.00	5,843.36

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	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30
Total	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30

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	0.60	6.29	4.58	0.02	0.68	0.17	0.85	0.02	0.16	0.18	0.00	2,198.65	2,198.65	0.03	0.00	2,199.19
Worker	1.42	1.00	12.35	0.05	5.50	0.22	5.72	0.09	0.20	0.29	0.00	3,641.52	3,641.52	0.13	0.00	3,644.17
Total	2.02	7.29	16.93	0.07	6.18	0.39	6.57	0.11	0.36	0.47	0.00	5,840.17	5,840.17	0.16	0.00	5,843.36

3.5 Building Construction - 2027

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	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30
Total	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30

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	0.60	6.29	4.58	0.02	0.74	0.17	0.91	0.02	0.16	0.18	0.00	2,198.65	2,198.65	0.03	0.00	2,199.19
Worker	1.42	1.00	12.35	0.05	6.01	0.22	6.24	0.09	0.20	0.29	0.00	3,641.52	3,641.52	0.13	0.00	3,644.17
Total	2.02	7.29	16.93	0.07	6.75	0.39	7.15	0.11	0.36	0.47	0.00	5,840.17	5,840.17	0.16	0.00	5,843.36

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	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30
Total	0.21	1.24	2.35	0.00		0.04	0.04		0.04	0.04	0.00	384.94	384.94	0.02	0.00	385.30

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	0.60	6.29	4.58	0.02	0.68	0.17	0.85	0.02	0.16	0.18	0.00	2,198.65	2,198.65	0.03	0.00	2,199.19
Worker	1.42	1.00	12.35	0.05	5.50	0.22	5.72	0.09	0.20	0.29	0.00	3,641.52	3,641.52	0.13	0.00	3,644.17
Total	2.02	7.29	16.93	0.07	6.18	0.39	6.57	0.11	0.36	0.47	0.00	5,840.17	5,840.17	0.16	0.00	5,843.36

3.5 Building Construction - 2028

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	0.21	1.24	2.34	0.00		0.04	0.04		0.04	0.04	0.00	383.47	383.47	0.02	0.00	383.82
Total	0.21	1.24	2.34	0.00		0.04	0.04		0.04	0.04	0.00	383.47	383.47	0.02	0.00	383.82

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	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	0.59	6.26	4.57	0.02	0.74	0.17	0.91	0.02	0.16	0.18	0.00	2,190.23	2,190.23	0.03	0.00	2,190.76
Worker	1.41	1.00	12.31	0.05	5.99	0.22	6.21	0.09	0.20	0.29	0.00	3,627.57	3,627.57	0.13	0.00	3,630.21
Total	2.00	7.26	16.88	0.07	6.73	0.39	7.12	0.11	0.36	0.47	0.00	5,817.80	5,817.80	0.16	0.00	5,820.97

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	0.21	1.24	2.34	0.00		0.04	0.04		0.04	0.04	0.00	383.47	383.47	0.02	0.00	383.82
Total	0.21	1.24	2.34	0.00		0.04	0.04		0.04	0.04	0.00	383.47	383.47	0.02	0.00	383.82

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	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	0.59	6.26	4.57	0.02	0.68	0.17	0.85	0.02	0.16	0.18	0.00	2,190.23	2,190.23	0.03	0.00	2,190.76
Worker	1.41	1.00	12.31	0.05	5.47	0.22	5.69	0.09	0.20	0.29	0.00	3,627.57	3,627.57	0.13	0.00	3,630.21
Total	2.00	7.26	16.88	0.07	6.15	0.39	6.54	0.11	0.36	0.47	0.00	5,817.80	5,817.80	0.16	0.00	5,820.97

3.5 Building Construction - 2029

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	0.17	0.99	1.87	0.00		0.03	0.03		0.03	0.03	0.00	306.77	306.77	0.01	0.00	307.06
Total	0.17	0.99	1.87	0.00		0.03	0.03		0.03	0.03	0.00	306.77	306.77	0.01	0.00	307.06

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	0.47	5.01	3.65	0.02	0.59	0.14	0.73	0.02	0.13	0.14	0.00	1,752.18	1,752.18	0.02	0.00	1,752.61
Worker	1.13	0.80	9.84	0.04	4.79	0.18	4.97	0.07	0.16	0.23	0.00	2,902.05	2,902.05	0.10	0.00	2,904.17
Total	1.60	5.81	13.49	0.06	5.38	0.32	5.70	0.09	0.29	0.37	0.00	4,654.23	4,654.23	0.12	0.00	4,656.78

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	0.17	0.99	1.87	0.00		0.03	0.03		0.03	0.03	0.00	306.77	306.77	0.01	0.00	307.06
Total	0.17	0.99	1.87	0.00		0.03	0.03		0.03	0.03	0.00	306.77	306.77	0.01	0.00	307.06

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	0.47	5.01	3.65	0.02	0.54	0.14	0.68	0.02	0.13	0.14	0.00	1,752.18	1,752.18	0.02	0.00	1,752.61
Worker	1.13	0.80	9.84	0.04	4.38	0.18	4.56	0.07	0.16	0.23	0.00	2,902.05	2,902.05	0.10	0.00	2,904.17
Total	1.60	5.81	13.49	0.06	4.92	0.32	5.24	0.09	0.29	0.37	0.00	4,654.23	4,654.23	0.12	0.00	4,656.78

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	tons/yr										MT/yr					
Off-Road	0.47	3.50	2.14	0.00		0.22	0.22		0.22	0.22	0.00	312.89	312.89	0.04	0.00	313.70
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.47	3.50	2.14	0.00		0.22	0.22		0.22	0.22	0.00	312.89	312.89	0.04	0.00	313.70

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	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	20.26	20.26	0.00	0.00	20.28
Total	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	20.26	20.26	0.00	0.00	20.28

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	0.47	3.50	2.14	0.00		0.22	0.22		0.22	0.22	0.00	312.89	312.89	0.04	0.00	313.70
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.47	3.50	2.14	0.00		0.22	0.22		0.22	0.22	0.00	312.89	312.89	0.04	0.00	313.70

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	0.12	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	20.26	20.26	0.00	0.00	20.28
Total	0.01	0.01	0.12	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	20.26	20.26	0.00	0.00	20.28

3.6 Paving - 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	0.05	0.39	0.25	0.00		0.02	0.02		0.02	0.02	0.00	37.16	37.16	0.00	0.00	37.25
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	0.39	0.25	0.00		0.02	0.02		0.02	0.02	0.00	37.16	37.16	0.00	0.00	37.25

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	2.35	2.35	0.00	0.00	2.35
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	2.35	0.00	0.00	2.35

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	0.39	0.25	0.00		0.02	0.02		0.02	0.02	0.00	37.16	37.16	0.00	0.00	37.25
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	0.39	0.25	0.00		0.02	0.02		0.02	0.02	0.00	37.16	37.16	0.00	0.00	37.25

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	2.35	2.35	0.00	0.00	2.35
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	2.35	0.00	0.00	2.35

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	tons/yr										MT/yr					
Archit. Coating	22.49					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.06	0.36	0.25	0.00		0.03	0.03		0.03	0.03	0.00	33.28	33.28	0.00	0.00	33.38
Total	22.55	0.36	0.25	0.00		0.03	0.03		0.03	0.03	0.00	33.28	33.28	0.00	0.00	33.38

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	0.47	0.48	5.17	0.01	1.20	0.04	1.25	0.05	0.04	0.09	0.00	896.65	896.65	0.05	0.00	897.66
Total	0.47	0.48	5.17	0.01	1.20	0.04	1.25	0.05	0.04	0.09	0.00	896.65	896.65	0.05	0.00	897.66

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	22.49					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.06	0.36	0.25	0.00		0.03	0.03		0.03	0.03	0.00	33.28	33.28	0.00	0.00	33.38
Total	22.55	0.36	0.25	0.00		0.03	0.03		0.03	0.03	0.00	33.28	33.28	0.00	0.00	33.38

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	0.47	0.48	5.17	0.01	1.10	0.04	1.14	0.05	0.04	0.09	0.00	896.65	896.65	0.05	0.00	897.66
Total	0.47	0.48	5.17	0.01	1.10	0.04	1.14	0.05	0.04	0.09	0.00	896.65	896.65	0.05	0.00	897.66

3.7 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	2.67					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	3.95	3.95	0.00	0.00	3.96
Total	2.68	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	3.95	3.95	0.00	0.00	3.96

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	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	0.57	0.00	0.14	0.01	0.15	0.01	0.01	0.01	0.00	104.13	104.13	0.01	0.00	104.24
Total	0.05	0.05	0.57	0.00	0.14	0.01	0.15	0.01	0.01	0.01	0.00	104.13	104.13	0.01	0.00	104.24

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	2.67					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	3.95	3.95	0.00	0.00	3.96
Total	2.68	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	3.95	3.95	0.00	0.00	3.96

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	tons/yr										M1/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	0.57	0.00	0.13	0.01	0.14	0.01	0.01	0.01	0.00	104.13	104.13	0.01	0.00	104.24
Total	0.05	0.05	0.57	0.00	0.13	0.01	0.14	0.01	0.01	0.01	0.00	104.13	104.13	0.01	0.00	104.24

Construction
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	375	1000sqft
General Light Industry	195	1000sqft
Apartments Mid Rise	3884	Dwelling Unit
Strip Mall	998.721	1000sqft

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 - Based on project description. Assumes 1,555,000 building square feet of existing non-residential existing land uses would be demolished.

Construction Phase - Interpotated 21-year construction schedule based on default CalEEMod schedule.

Off-road Equipment -

Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

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Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

- Demolition -
- Grading -
- Architectural Coating - Modeling also assumes a VOC of 100 g/L for interior paints pursuant to SCAQMD Rule 1113
- Construction Off-road Equipment Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2014	231.78	339.12	449.74	0.93	265.56	16.76	282.33	16.12	16.76	32.88	0.00	92,670.80	0.00	5.52	0.00	92,786.72
2015	221.83	264.61	391.72	0.88	247.22	13.09	260.31	6.18	13.09	19.27	0.00	86,135.59	0.00	4.60	0.00	86,232.13
2016	26.52	115.12	246.32	0.61	57.19	5.46	62.65	2.38	5.46	7.84	0.00	59,166.07	0.00	2.46	0.00	59,217.72
2017	24.86	106.08	229.73	0.61	57.19	5.08	62.27	2.38	5.08	7.46	0.00	58,404.50	0.00	2.29	0.00	58,452.69
2018	23.32	98.14	214.46	0.61	57.19	4.74	61.93	0.85	4.45	5.30	0.00	57,682.29	0.00	2.14	0.00	57,727.16
2019	22.02	91.31	201.05	0.62	57.19	4.43	61.62	0.85	4.16	5.01	0.00	57,012.38	0.00	2.00	0.00	57,054.47
2020	20.89	85.38	189.14	0.62	57.19	4.17	61.36	0.85	3.90	4.75	0.00	56,390.49	0.00	1.88	0.00	56,429.88
2021	19.92	80.13	179.31	0.62	57.19	3.94	61.13	0.85	3.69	4.54	0.00	55,912.09	0.00	1.78	0.00	55,949.45
2022	19.03	75.68	170.02	0.62	57.19	3.74	60.94	0.85	3.50	4.34	0.00	55,394.83	0.00	1.68	0.00	55,430.12
2023	18.22	71.84	161.65	0.62	57.19	3.57	60.76	0.85	3.32	4.17	0.00	54,918.04	0.00	1.60	0.00	54,951.63
2024	17.48	68.73	154.28	0.62	57.19	3.43	60.62	0.85	3.21	4.05	0.00	54,492.62	0.00	1.53	0.00	54,524.74
2025	16.86	66.07	148.02	0.62	57.19	3.32	60.52	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2026	16.86	66.07	148.02	0.62	57.19	3.32	60.52	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2027	16.86	66.07	148.02	0.62	57.19	3.32	60.52	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2028	16.86	66.07	148.02	0.62	57.19	3.32	60.52	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2029	16.86	66.07	148.02	0.62	57.19	3.32	60.52	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
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	231.78	339.12	449.74	0.93	226.24	16.76	243.01	8.54	16.76	25.30	0.00	92,670.80	0.00	5.52	0.00	92,786.72
2015	221.83	264.61	391.72	0.88	218.27	13.09	231.36	4.28	13.09	17.37	0.00	86,135.59	0.00	4.60	0.00	86,232.13
2016	26.52	115.12	246.32	0.61	52.26	5.46	57.72	2.38	5.46	7.84	0.00	59,166.07	0.00	2.46	0.00	59,217.72
2017	24.86	106.08	229.73	0.61	52.26	5.08	57.34	2.38	5.08	7.46	0.00	58,404.50	0.00	2.29	0.00	58,452.69
2018	23.32	98.14	214.46	0.61	52.26	4.74	57.00	0.85	4.45	5.30	0.00	57,682.29	0.00	2.14	0.00	57,727.16
2019	22.02	91.31	201.05	0.62	52.26	4.43	56.69	0.85	4.16	5.01	0.00	57,012.38	0.00	2.00	0.00	57,054.47
2020	20.89	85.38	189.14	0.62	52.26	4.17	56.43	0.85	3.90	4.75	0.00	56,390.49	0.00	1.88	0.00	56,429.88
2021	19.92	80.13	179.31	0.62	52.26	3.94	56.20	0.85	3.69	4.54	0.00	55,912.09	0.00	1.78	0.00	55,949.45
2022	19.03	75.68	170.02	0.62	52.26	3.74	56.00	0.85	3.50	4.34	0.00	55,394.83	0.00	1.68	0.00	55,430.12
2023	18.22	71.84	161.65	0.62	52.26	3.57	55.83	0.85	3.32	4.17	0.00	54,918.04	0.00	1.60	0.00	54,951.63
2024	17.48	68.73	154.28	0.62	52.26	3.43	55.69	0.85	3.21	4.05	0.00	54,492.62	0.00	1.53	0.00	54,524.74
2025	16.86	66.07	148.02	0.62	52.26	3.32	55.58	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2026	16.86	66.07	148.02	0.62	52.26	3.32	55.58	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2027	16.86	66.07	148.02	0.62	52.26	3.32	55.58	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2028	16.86	66.07	148.02	0.62	52.26	3.32	55.58	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
2029	16.86	66.07	148.02	0.62	52.26	3.32	55.58	0.85	3.09	3.94	0.00	54,096.07	0.00	1.46	0.00	54,126.75
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- 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					5.75	0.00	5.75	0.00	0.00	0.00							0.00
Off-Road	5.65	44.11	27.83	0.05		2.22	2.22		2.22	2.22			5,034.08	0.50			5,044.68
Total	5.65	44.11	27.83	0.05	5.75	2.22	7.97	0.00	2.22	2.22			5,034.08	0.50			5,044.68

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	1.18	11.89	7.34	0.02	164.64	0.47	165.12	0.07	0.47	0.55			2,172.90	0.06		2,174.13
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	0.08	0.08	0.92	0.00	0.23	0.01	0.24	0.01	0.01	0.02			179.02	0.01		179.22
Total	1.26	11.97	8.26	0.02	164.87	0.48	165.36	0.08	0.48	0.57			2,351.92	0.07		2,353.35

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					2.46	0.00	2.46	0.00	0.00	0.00							0.00
Off-Road	5.65	44.11	27.83	0.05		2.22	2.22		2.22	2.22	0.00		5,034.08	0.50			5,044.68
Total	5.65	44.11	27.83	0.05	2.46	2.22	4.68	0.00	2.22	2.22	0.00		5,034.08	0.50			5,044.68

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	1.18	11.89	7.34	0.02	149.83	0.47	150.31	0.07	0.47	0.55		2,172.90		0.06		2,174.13
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	0.08	0.08	0.92	0.00	0.21	0.01	0.22	0.01	0.01	0.02		179.02		0.01		179.22
Total	1.26	11.97	8.26	0.02	150.04	0.48	150.53	0.08	0.48	0.57		2,351.92		0.07		2,353.35

3.2 Demolition - 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					
Fugitive Dust					5.75	0.00	5.75	0.00	0.00	0.00						0.00
Off-Road	5.31	40.61	26.97	0.05		2.01	2.01		2.01	2.01		5,034.08		0.48		5,044.06
Total	5.31	40.61	26.97	0.05	5.75	2.01	7.76	0.00	2.01	2.01		5,034.08		0.48		5,044.06

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	1.06	10.54	6.60	0.02	164.64	0.41	165.06	0.07	0.41	0.49		2,182.95		0.05		2,184.05
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	0.08	0.07	0.85	0.00	0.23	0.01	0.24	0.01	0.01	0.02		175.05		0.01		175.23
Total	1.14	10.61	7.45	0.02	164.87	0.42	165.30	0.08	0.42	0.51		2,358.00		0.06		2,359.28

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					2.46	0.00	2.46	0.00	0.00	0.00						0.00
Off-Road	5.31	40.61	26.97	0.05		2.01	2.01		2.01	2.01	0.00	5,034.08		0.48		5,044.06
Total	5.31	40.61	26.97	0.05	2.46	2.01	4.47	0.00	2.01	2.01	0.00	5,034.08		0.48		5,044.06

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	1.06	10.54	6.60	0.02	149.83	0.41	150.25	0.07	0.41	0.49		2,182.95		0.05		2,184.05
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	0.08	0.07	0.85	0.00	0.21	0.01	0.22	0.01	0.01	0.02		175.05		0.01		175.23
Total	1.14	10.61	7.45	0.02	150.04	0.42	150.47	0.08	0.42	0.51		2,358.00		0.06		2,359.28

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					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	6.26	49.34	29.28	0.05		2.49	2.49		2.49	2.49		5,324.18		0.56		5,335.95
Total	6.26	49.34	29.28	0.05	18.07	2.49	20.56	9.93	2.49	12.42		5,324.18		0.56		5,335.95

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	0.10	0.10	1.11	0.00	0.28	0.01	0.29	0.01	0.01	0.02		214.82		0.01		215.06
Total	0.10	0.10	1.11	0.00	0.28	0.01	0.29	0.01	0.01	0.02		214.82		0.01		215.06

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.72	0.00	7.72	4.25	0.00	4.25						0.00
Off-Road	6.26	49.34	29.28	0.05		2.49	2.49		2.49	2.49	0.00	5,324.18		0.56		5,335.95
Total	6.26	49.34	29.28	0.05	7.72	2.49	10.21	4.25	2.49	6.74	0.00	5,324.18		0.56		5,335.95

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	0.10	0.10	1.11	0.00	0.25	0.01	0.26	0.01	0.01	0.02		214.82		0.01		215.06
Total	0.10	0.10	1.11	0.00	0.25	0.01	0.26	0.01	0.01	0.02		214.82		0.01		215.06

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					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	7.72	62.03	35.30	0.07		2.92	2.92		2.92	2.92		7,455.84		0.69		7,470.34
Total	7.72	62.03	35.30	0.07	8.67	2.92	11.59	3.31	2.92	6.23		7,455.84		0.69		7,470.34

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	0.11	0.11	1.23	0.00	0.31	0.01	0.32	0.01	0.01	0.02		238.69		0.01		238.96
Total	0.11	0.11	1.23	0.00	0.31	0.01	0.32	0.01	0.01	0.02		238.69		0.01		238.96

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					3.71	0.00	3.71	1.42	0.00	1.42						0.00
Off-Road	7.72	62.03	35.30	0.07		2.92	2.92		2.92	2.92	0.00	7,455.84		0.69		7,470.34
Total	7.72	62.03	35.30	0.07	3.71	2.92	6.63	1.42	2.92	4.34	0.00	7,455.84		0.69		7,470.34

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	0.11	0.11	1.23	0.00	0.28	0.01	0.29	0.01	0.01	0.02		238.69		0.01			238.96
Total	0.11	0.11	1.23	0.00	0.28	0.01	0.29	0.01	0.01	0.02		238.69		0.01			238.96

3.4 Grading - 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						
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31							0.00
Off-Road	7.27	56.91	34.12	0.07		2.64	2.64		2.64	2.64		7,455.84		0.65			7,469.43
Total	7.27	56.91	34.12	0.07	8.67	2.64	11.31	3.31	2.64	5.95		7,455.84		0.65			7,469.43

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	0.10	0.10	1.14	0.00	0.31	0.01	0.32	0.01	0.01	0.02		233.40		0.01			233.64
Total	0.10	0.10	1.14	0.00	0.31	0.01	0.32	0.01	0.01	0.02		233.40		0.01			233.64

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					3.71	0.00	3.71	1.42	0.00	1.42						0.00
Off-Road	7.27	56.91	34.12	0.07		2.64	2.64		2.64	2.64	0.00	7,455.84		0.65		7,469.43
Total	7.27	56.91	34.12	0.07	3.71	2.64	6.35	1.42	2.64	4.06	0.00	7,455.84		0.65		7,469.43

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	0.10	0.10	1.14	0.00	0.28	0.01	0.29	0.01	0.01	0.02		233.40		0.01		233.64
Total	0.10	0.10	1.14	0.00	0.28	0.01	0.29	0.01	0.01	0.02		233.40		0.01		233.64

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	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71		3,252.41		0.36		3,259.89
Total	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71		3,252.41		0.36		3,259.89

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	8.76	94.25	63.00	0.17	6.26	3.08	9.35	0.48	3.08	3.56		18,171.35		0.44		18,180.58
Worker	17.84	17.77	204.41	0.41	50.93	1.62	52.54	1.90	1.62	3.52		39,599.05		2.08		39,642.81
Total	26.60	112.02	267.41	0.58	57.19	4.70	61.89	2.38	4.70	7.08		57,770.40		2.52		57,823.39

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	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71	0.00	3,252.41		0.36		3,259.89
Total	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71	0.00	3,252.41		0.36		3,259.89

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	8.76	94.25	63.00	0.17	5.74	3.08	8.83	0.48	3.08	3.56		18,171.35		0.44		18,180.58
Worker	17.84	17.77	204.41	0.41	46.51	1.62	48.13	1.90	1.62	3.52		39,599.05		2.08		39,642.81
Total	26.60	112.02	267.41	0.58	52.25	4.70	56.96	2.38	4.70	7.08		57,770.40		2.52		57,823.39

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	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52		3,252.41		0.33		3,259.28
Total	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52		3,252.41		0.33		3,259.28

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	8.00	85.45	57.70	0.17	6.26	2.75	9.02	0.48	2.75	3.23		18,232.96		0.40		18,241.35
Worker	16.76	16.21	188.57	0.41	50.93	1.63	52.56	1.90	1.63	3.54		38,720.29		1.93		38,760.92
Total	24.76	101.66	246.27	0.58	57.19	4.38	61.58	2.38	4.38	6.77		56,953.25		2.33		57,002.27

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	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52	0.00	3,252.41		0.33		3,259.28
Total	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52	0.00	3,252.41		0.33		3,259.28

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	8.00	85.45	57.70	0.17	5.74	2.75	8.50	0.48	2.75	3.23		18,232.96		0.40		18,241.35
Worker	16.76	16.21	188.57	0.41	46.51	1.63	48.15	1.90	1.63	3.54		38,720.29		1.93		38,760.92
Total	24.76	101.66	246.27	0.58	52.25	4.38	56.65	2.38	4.38	6.77		56,953.25		2.33		57,002.27

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	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34		3,252.41		0.30		3,258.66
Total	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34		3,252.41		0.30		3,258.66

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	7.34	78.48	53.34	0.17	6.27	2.48	8.75	0.48	2.48	2.97		18,266.33		0.37		18,274.02
Worker	15.84	14.83	174.20	0.40	50.93	1.64	52.56	1.90	1.64	3.54		37,647.33		1.80		37,685.04
Total	23.18	93.31	227.54	0.57	57.20	4.12	61.31	2.38	4.12	6.51		55,913.66		2.17		55,959.06

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	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34	0.00	3,252.41		0.30		3,258.66
Total	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34	0.00	3,252.41		0.30		3,258.66

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	7.34	78.48	53.34	0.17	5.75	2.48	8.23	0.48	2.48	2.97		18,266.33		0.37		18,274.02
Worker	15.84	14.83	174.20	0.40	46.51	1.64	48.15	1.90	1.64	3.54		37,647.33		1.80		37,685.04
Total	23.18	93.31	227.54	0.57	52.26	4.12	56.38	2.38	4.12	6.51		55,913.66		2.17		55,959.06

3.5 Building Construction - 2017

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	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17		3,252.41		0.27		3,258.11
Total	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17		3,252.41		0.27		3,258.11

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	6.83	72.64	49.67	0.17	6.27	2.26	8.53	0.48	2.26	2.74		18,317.83		0.34		18,324.93
Worker	14.99	13.58	161.42	0.40	50.93	1.65	52.57	1.90	1.65	3.55		36,834.26		1.69		36,869.65
Total	21.82	86.22	211.09	0.57	57.20	3.91	61.10	2.38	3.91	6.29		55,152.09		2.03		55,194.58

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					
Off-Road	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17	0.00	3,252.41		0.27		3,258.11
Total	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17	0.00	3,252.41		0.27		3,258.11

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	6.83	72.64	49.67	0.17	5.75	2.26	8.01	0.48	2.26	2.74		18,317.83		0.34		18,324.93
Worker	14.99	13.58	161.42	0.40	46.51	1.65	48.16	1.90	1.65	3.55		36,834.26		1.69		36,869.65
Total	21.82	86.22	211.09	0.57	52.26	3.91	56.17	2.38	3.91	6.29		55,152.09		2.03		55,194.58

3.5 Building Construction - 2018

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	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02		3,252.41		0.25		3,257.60
Total	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02		3,252.41		0.25		3,257.60

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	6.36	67.65	46.22	0.18	6.27	2.07	8.34	0.16	1.90	2.06		18,367.32		0.31		18,373.90
Worker	14.19	12.45	149.73	0.40	50.93	1.66	52.58	0.69	1.53	2.22		36,062.57		1.58		36,095.66
Total	20.55	80.10	195.95	0.58	57.20	3.73	60.92	0.85	3.43	4.28		54,429.89		1.89		54,469.56

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	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02	0.00	3,252.41		0.25		3,257.60
Total	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02	0.00	3,252.41		0.25		3,257.60

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	6.36	67.65	46.22	0.18	5.75	2.07	7.81	0.16	1.90	2.06		18,367.32		0.31		18,373.90
Worker	14.19	12.45	149.73	0.40	46.51	1.66	48.17	0.69	1.53	2.22		36,062.57		1.58		36,095.66
Total	20.55	80.10	195.95	0.58	52.26	3.73	55.98	0.85	3.43	4.28		54,429.89		1.89		54,469.56

3.5 Building Construction - 2019

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	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87		3,252.41		0.23		3,257.15
Total	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87		3,252.41		0.23		3,257.15

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	5.94	63.44	42.98	0.18	6.27	1.90	8.17	0.16	1.75	1.91		18,415.99		0.29		18,422.11
Worker	13.56	11.46	139.70	0.40	50.93	1.66	52.58	0.69	1.54	2.23		35,343.98		1.49		35,375.20
Total	19.50	74.90	182.68	0.58	57.20	3.56	60.75	0.85	3.29	4.14		53,759.97		1.78		53,797.31

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	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87	0.00	3,252.41		0.23		3,257.15
Total	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87	0.00	3,252.41		0.23		3,257.15

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	5.94	63.44	42.98	0.18	5.75	1.90	7.65	0.16	1.75	1.91		18,415.99		0.29		18,422.11
Worker	13.56	11.46	139.70	0.40	46.51	1.66	48.17	0.69	1.54	2.23		35,343.98		1.49		35,375.20
Total	19.50	74.90	182.68	0.58	52.26	3.56	55.82	0.85	3.29	4.14		53,759.97		1.78		53,797.31

3.5 Building Construction - 2020

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	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74		3,252.41		0.21		3,256.73
Total	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74		3,252.41		0.21		3,256.73

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	5.57	59.88	40.10	0.18	6.27	1.76	8.03	0.16	1.62	1.78		18,461.55		0.27		18,467.27
Worker	13.01	10.57	130.77	0.40	50.93	1.66	52.59	0.69	1.54	2.23		34,676.53		1.40		34,705.87
Total	18.58	70.45	170.87	0.58	57.20	3.42	60.62	0.85	3.16	4.01		53,138.08		1.67		53,173.14

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	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74	0.00	3,252.41		0.21		3,256.73
Total	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74	0.00	3,252.41		0.21		3,256.73

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	5.57	59.88	40.10	0.18	5.75	1.76	7.51	0.16	1.62	1.78		18,461.55		0.27		18,467.27
Worker	13.01	10.57	130.77	0.40	46.51	1.66	48.18	0.69	1.54	2.23		34,676.53		1.40		34,705.87
Total	18.58	70.45	170.87	0.58	52.26	3.42	55.69	0.85	3.16	4.01		53,138.08		1.67		53,173.14

3.5 Building Construction - 2021

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	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63		3,252.41		0.19		3,256.34
Total	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63		3,252.41		0.19		3,256.34

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	5.26	56.82	37.78	0.18	6.27	1.64	7.90	0.16	1.51	1.67		18,504.05		0.26		18,509.41
Worker	12.56	9.82	123.38	0.40	50.93	1.67	52.60	0.69	1.56	2.24		34,155.62		1.34		34,183.70
Total	17.82	66.64	161.16	0.58	57.20	3.31	60.50	0.85	3.07	3.91		52,659.67		1.60		52,693.11

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	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63	0.00	3,252.41		0.19		3,256.34
Total	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63	0.00	3,252.41		0.19		3,256.34

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	5.26	56.82	37.78	0.18	5.75	1.64	7.38	0.16	1.51	1.67		18,504.05		0.26		18,509.41
Worker	12.56	9.82	123.38	0.40	46.51	1.67	48.19	0.69	1.56	2.24		34,155.62		1.34		34,183.70
Total	17.82	66.64	161.16	0.58	52.26	3.31	55.57	0.85	3.07	3.91		52,659.67		1.60		52,693.11

3.5 Building Construction - 2022

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	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53		3,252.41		0.17		3,256.06
Total	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53		3,252.41		0.17		3,256.06

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	4.97	54.25	35.70	0.18	6.27	1.53	7.80	0.16	1.41	1.57		18,545.59		0.24		18,550.61
Worker	12.09	9.13	116.23	0.40	50.93	1.68	52.61	0.69	1.56	2.24		33,596.84		1.27		33,623.45
Total	17.06	63.38	151.93	0.58	57.20	3.21	60.41	0.85	2.97	3.81		52,142.43		1.51		52,174.06

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	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53	0.00	3,252.41		0.17		3,256.06
Total	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53	0.00	3,252.41		0.17		3,256.06

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	4.97	54.25	35.70	0.18	5.75	1.53	7.28	0.16	1.41	1.57		18,545.59		0.24		18,550.61
Worker	12.09	9.13	116.23	0.40	46.51	1.68	48.20	0.69	1.56	2.24		33,596.84		1.27		33,623.45
Total	17.06	63.38	151.93	0.58	52.26	3.21	55.48	0.85	2.97	3.81		52,142.43		1.51		52,174.06

3.5 Building Construction - 2023

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	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45		3,252.41		0.16		3,255.85
Total	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45		3,252.41		0.16		3,255.85

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	4.74	52.10	33.92	0.18	6.27	1.44	7.70	0.16	1.32	1.48		18,585.96		0.23		18,590.74
Worker	11.64	8.51	109.68	0.40	50.93	1.68	52.61	0.69	1.56	2.24		33,079.67		1.21		33,105.03
Total	16.38	60.61	143.60	0.58	57.20	3.12	60.31	0.85	2.88	3.72		51,665.63		1.44		51,695.77

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	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45	0.00	3,252.41		0.16		3,255.85
Total	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45	0.00	3,252.41		0.16		3,255.85

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	4.74	52.10	33.92	0.18	5.75	1.44	7.18	0.16	1.32	1.48		18,585.96		0.23		18,590.74
Worker	11.64	8.51	109.68	0.40	46.51	1.68	48.20	0.69	1.56	2.24		33,079.67		1.21		33,105.03
Total	16.38	60.61	143.60	0.58	52.26	3.12	55.38	0.85	2.88	3.72		51,665.63		1.44		51,695.77

3.5 Building Construction - 2024

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	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38		3,252.41		0.15		3,255.65
Total	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38		3,252.41		0.15		3,255.65

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	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	4.54	50.47	32.38	0.18	6.27	1.36	7.63	0.16	1.26	1.41		18,608.16		0.22		18,612.73
Worker	11.21	7.95	103.88	0.40	50.93	1.68	52.61	0.69	1.57	2.25		32,632.05		1.16		32,656.36
Total	15.75	58.42	136.26	0.58	57.20	3.04	60.24	0.85	2.83	3.66		51,240.21		1.38		51,269.09

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	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38	0.00	3,252.41		0.15		3,255.65
Total	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38	0.00	3,252.41		0.15		3,255.65

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	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	4.54	50.47	32.38	0.18	5.75	1.36	7.11	0.16	1.26	1.41		18,608.16		0.22			18,612.73
Worker	11.21	7.95	103.88	0.40	46.51	1.68	48.20	0.69	1.57	2.25		32,632.05		1.16			32,656.36
Total	15.75	58.42	136.26	0.58	52.26	3.04	55.31	0.85	2.83	3.66		51,240.21		1.38			51,269.09

3.5 Building Construction - 2025

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14			3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14			3,255.43

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	4.39	49.10	31.13	0.18	6.27	1.30	7.57	0.16	1.20	1.36		18,636.87		0.21			18,641.26
Worker	10.82	7.46	98.89	0.40	50.93	1.69	52.62	0.69	1.57	2.25		32,206.79		1.11			32,230.06
Total	15.21	56.56	130.02	0.58	57.20	2.99	60.19	0.85	2.77	3.61		50,843.66		1.32			50,871.32

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.33	49.10	31.13	0.18	5.75	1.30	7.05	0.16	1.20	1.36		18,636.67		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	46.51	1.69	48.21	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	52.26	2.99	55.26	0.85	2.77	3.61		50,843.66		1.32		50,871.32

3.5 Building Construction - 2026

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	6.27	1.30	7.57	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	50.93	1.69	52.62	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	57.20	2.99	60.19	0.85	2.77	3.61		50,843.66		1.32		50,871.32

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	5.75	1.30	7.05	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	46.51	1.69	48.21	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	52.26	2.99	55.26	0.85	2.77	3.61		50,843.66		1.32		50,871.32

3.5 Building Construction - 2027

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	6.27	1.30	7.57	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	50.93	1.69	52.62	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	57.20	2.99	60.19	0.85	2.77	3.61		50,843.66		1.32		50,871.32

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	5.75	1.30	7.05	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	46.51	1.69	48.21	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	52.26	2.99	55.26	0.85	2.77	3.61		50,843.66		1.32		50,871.32

3.5 Building Construction - 2028

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	6.27	1.30	7.57	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	50.93	1.69	52.62	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	57.20	2.99	60.19	0.85	2.77	3.61		50,843.66		1.32		50,871.32

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.33	49.10	31.13	0.18	5.75	1.30	7.05	0.16	1.20	1.36		18,636.67		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	46.51	1.69	48.21	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	52.26	2.99	55.26	0.85	2.77	3.61		50,843.66		1.32		50,871.32

3.5 Building Construction - 2029

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	6.27	1.30	7.57	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	50.93	1.69	52.62	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	57.20	2.99	60.19	0.85	2.77	3.61		50,843.66		1.32		50,871.32

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.39	49.10	31.13	0.18	5.75	1.30	7.05	0.16	1.20	1.36		18,636.87		0.21		18,641.26
Worker	10.82	7.46	98.89	0.40	46.51	1.69	48.21	0.69	1.57	2.25		32,206.79		1.11		32,230.06
Total	15.21	56.56	130.02	0.58	52.26	2.99	55.26	0.85	2.77	3.61		50,843.66		1.32		50,871.32

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	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66		2,643.67		0.33		2,650.52
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66		2,643.67		0.33		2,650.52

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	0.08	0.08	0.92	0.00	0.23	0.01	0.24	0.01	0.01	0.02		179.02		0.01		179.22
Total	0.08	0.08	0.92	0.00	0.23	0.01	0.24	0.01	0.01	0.02		179.02		0.01		179.22

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	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66	0.00	2,643.67		0.33		2,650.52
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66	0.00	2,643.67		0.33		2,650.52

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	0.08	0.08	0.92	0.00	0.21	0.01	0.22	0.01	0.01	0.02		179.02		0.01		179.22
Total	0.08	0.08	0.92	0.00	0.21	0.01	0.22	0.01	0.01	0.02		179.02		0.01		179.22

3.6 Paving - 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	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54		2,643.67		0.31		2,650.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54		2,643.67		0.31		2,650.12

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	0.08	0.07	0.85	0.00	0.23	0.01	0.24	0.01	0.01	0.02		175.05		0.01		175.23
Total	0.08	0.07	0.85	0.00	0.23	0.01	0.24	0.01	0.01	0.02		175.05		0.01		175.23

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	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54	0.00	2,643.67		0.31		2,650.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54	0.00	2,643.67		0.31		2,650.12

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	0.08	0.07	0.85	0.00	0.21	0.01	0.22	0.01	0.01	0.02		175.05		0.01		175.23
Total	0.08	0.07	0.85	0.00	0.21	0.01	0.22	0.01	0.01	0.02		175.05		0.01		175.23

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	172.37					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	172.82	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	3.57	3.56	40.91	0.08	10.19	0.32	10.51	0.38	0.32	0.70		7,924.58		0.42		7,933.34
Total	3.57	3.56	40.91	0.08	10.19	0.32	10.51	0.38	0.32	0.70		7,924.58		0.42		7,933.34

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	172.37					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	172.82	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	3.57	3.56	40.91	0.08	9.31	0.32	9.63	0.38	0.32	0.70		7,924.58		0.42		7,933.34
Total	3.57	3.56	40.91	0.08	9.31	0.32	9.63	0.38	0.32	0.70		7,924.58		0.42		7,933.34

3.7 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	172.37					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	172.78	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	3.35	3.24	37.74	0.08	10.19	0.33	10.52	0.38	0.33	0.71		7,748.73		0.39		7,756.86
Total	3.35	3.24	37.74	0.08	10.19	0.33	10.52	0.38	0.33	0.71		7,748.73		0.39		7,756.86

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	172.37					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	172.78	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	3.35	3.24	37.74	0.08	9.31	0.33	9.64	0.38	0.33	0.71		7,748.73		0.39		7,756.86
Total	3.35	3.24	37.74	0.08	9.31	0.33	9.64	0.38	0.33	0.71		7,748.73		0.39		7,756.86

Construction
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	375	1000sqft
General Light Industry	195	1000sqft
Apartments Mid Rise	3884	Dwelling Unit
Strip Mall	998.721	1000sqft

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 - Based on project description. Assumes 1,555,000 building square feet of existing non-residential existing land uses would be demolished.

Construction Phase - Interpotated 21-year construction schedule based on default CalEEMod schedule.

Off-road Equipment -

Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

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Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

Off-road Equipment - Horsepower and load factor adjusted to OffRoad2011 values per CARB recommendation.

- Demolition -
- Grading -
- Architectural Coating - Modeling also assumes a VOC of 100 g/L for interior paints pursuant to SCAQMD Rule 1113
- Construction Off-road Equipment Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2014	234.27	347.61	444.03	0.89	265.56	16.82	282.38	16.12	16.82	32.94	0.00	89,404.86	0.00	5.44	0.00	89,519.10
2015	224.20	271.92	386.68	0.84	247.22	13.14	260.36	6.18	13.14	19.32	0.00	82,944.78	0.00	4.52	0.00	83,039.80
2016	28.42	120.51	243.53	0.59	57.19	5.50	62.69	2.38	5.50	7.89	0.00	56,589.95	0.00	2.41	0.00	56,640.55
2017	26.68	110.75	227.36	0.59	57.19	5.12	62.31	2.38	5.12	7.50	0.00	55,874.23	0.00	2.24	0.00	55,921.35
2018	25.06	102.16	212.49	0.59	57.19	4.77	61.97	0.85	4.48	5.33	0.00	55,194.45	0.00	2.08	0.00	55,238.18
2019	23.71	94.75	199.51	0.59	57.19	4.46	61.65	0.85	4.19	5.04	0.00	54,563.12	0.00	1.95	0.00	54,604.02
2020	22.53	88.33	187.99	0.59	57.19	4.20	61.39	0.85	3.93	4.77	0.00	53,976.52	0.00	1.83	0.00	54,014.88
2021	21.50	82.64	178.43	0.59	57.19	3.96	61.16	0.85	3.71	4.56	0.00	53,526.12	0.00	1.73	0.00	53,562.42
2022	20.58	77.78	169.39	0.59	57.19	3.77	60.96	0.85	3.52	4.36	0.00	53,037.83	0.00	1.63	0.00	53,072.07
2023	19.74	73.59	161.27	0.59	57.19	3.59	60.78	0.85	3.34	4.19	0.00	52,587.24	0.00	1.55	0.00	52,619.72
2024	18.97	70.19	154.10	0.59	57.19	3.45	60.64	0.85	3.22	4.07	0.00	52,183.16	0.00	1.49	0.00	52,214.36
2025	18.30	67.28	148.00	0.59	57.19	3.34	60.53	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2026	18.30	67.28	148.00	0.59	57.19	3.34	60.53	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2027	18.30	67.28	148.00	0.59	57.19	3.34	60.53	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2028	18.30	67.28	148.00	0.59	57.19	3.34	60.53	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2029	18.30	67.28	148.00	0.59	57.19	3.34	60.53	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
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	234.27	347.61	444.03	0.89	226.24	16.82	243.06	8.54	16.82	25.35	0.00	89,404.86	0.00	5.44	0.00	89,519.10
2015	224.20	271.92	386.68	0.84	218.27	13.14	231.41	4.28	13.14	17.42	0.00	82,944.78	0.00	4.52	0.00	83,039.80
2016	28.42	120.51	243.53	0.59	52.26	5.50	57.76	2.38	5.50	7.89	0.00	56,589.95	0.00	2.41	0.00	56,640.55
2017	26.68	110.75	227.36	0.59	52.26	5.12	57.38	2.38	5.12	7.50	0.00	55,874.23	0.00	2.24	0.00	55,921.35
2018	25.06	102.16	212.49	0.59	52.26	4.77	57.03	0.85	4.48	5.33	0.00	55,194.45	0.00	2.08	0.00	55,238.18
2019	23.71	94.75	199.51	0.59	52.26	4.46	56.72	0.85	4.19	5.04	0.00	54,563.12	0.00	1.95	0.00	54,604.02
2020	22.53	88.33	187.99	0.59	52.26	4.20	56.46	0.85	3.93	4.77	0.00	53,976.52	0.00	1.83	0.00	54,014.88
2021	21.50	82.64	178.43	0.59	52.26	3.96	56.22	0.85	3.71	4.56	0.00	53,526.12	0.00	1.73	0.00	53,562.42
2022	20.58	77.78	169.39	0.59	52.26	3.77	56.03	0.85	3.52	4.36	0.00	53,037.83	0.00	1.63	0.00	53,072.07
2023	19.74	73.59	161.27	0.59	52.26	3.59	55.85	0.85	3.34	4.19	0.00	52,587.24	0.00	1.55	0.00	52,619.72
2024	18.97	70.19	154.10	0.59	52.26	3.45	55.71	0.85	3.22	4.07	0.00	52,183.16	0.00	1.49	0.00	52,214.36
2025	18.30	67.28	148.00	0.59	52.26	3.34	55.60	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2026	18.30	67.28	148.00	0.59	52.26	3.34	55.60	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2027	18.30	67.28	148.00	0.59	52.26	3.34	55.60	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2028	18.30	67.28	148.00	0.59	52.26	3.34	55.60	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
2029	18.30	67.28	148.00	0.59	52.26	3.34	55.60	0.85	3.11	3.96	0.00	51,808.50	0.00	1.42	0.00	51,838.24
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- 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					5.75	0.00	5.75	0.00	0.00	0.00						0.00
Off-Road	5.65	44.11	27.83	0.05		2.22	2.22		2.22	2.22		5,034.08		0.50		5,044.68
Total	5.65	44.11	27.83	0.05	5.75	2.22	7.97	0.00	2.22	2.22		5,034.08		0.50		5,044.68

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	1.21	12.58	7.85	0.02	164.64	0.48	165.12	0.07	0.48	0.55		2,164.30		0.06		2,165.57
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	0.09	0.09	0.87	0.00	0.23	0.01	0.24	0.01	0.01	0.02		167.36		0.01		167.55
Total	1.30	12.67	8.72	0.02	164.87	0.49	165.36	0.08	0.49	0.57		2,331.66		0.07		2,333.12

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					2.46	0.00	2.46	0.00	0.00	0.00						0.00
Off-Road	5.65	44.11	27.83	0.05		2.22	2.22		2.22	2.22	0.00	5,034.08		0.50		5,044.68
Total	5.65	44.11	27.83	0.05	2.46	2.22	4.68	0.00	2.22	2.22	0.00	5,034.08		0.50		5,044.68

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	1.21	12.58	7.85	0.02	149.83	0.48	150.31	0.07	0.48	0.55		2,164.30		0.06		2,165.57
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	0.09	0.09	0.87	0.00	0.21	0.01	0.22	0.01	0.01	0.02		167.36		0.01		167.55
Total	1.30	12.67	8.72	0.02	150.04	0.49	150.53	0.08	0.49	0.57		2,331.66		0.07		2,333.12

3.2 Demolition - 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					
Fugitive Dust					5.75	0.00	5.75	0.00	0.00	0.00						0.00
Off-Road	5.31	40.61	26.97	0.05		2.01	2.01		2.01	2.01		5,034.08		0.48		5,044.06
Total	5.31	40.61	26.97	0.05	5.75	2.01	7.76	0.00	2.01	2.01		5,034.08		0.48		5,044.06

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	1.08	11.11	7.11	0.02	164.64	0.42	165.06	0.07	0.42	0.49		2,174.00		0.05		2,175.13
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	0.08	0.08	0.81	0.00	0.23	0.01	0.24	0.01	0.01	0.02		163.63		0.01		163.81
Total	1.16	11.19	7.92	0.02	164.87	0.43	165.30	0.08	0.43	0.51		2,337.63		0.06		2,338.94

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					2.46	0.00	2.46	0.00	0.00	0.00							0.00
Off-Road	5.31	40.61	26.97	0.05		2.01	2.01		2.01	2.01	0.00	5,034.08		0.48			5,044.06
Total	5.31	40.61	26.97	0.05	2.46	2.01	4.47	0.00	2.01	2.01	0.00	5,034.08		0.48			5,044.06

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	1.08	11.11	7.11	0.02	149.83	0.42	150.25	0.07	0.42	0.49		2,174.00		0.05		2,175.13
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	0.08	0.08	0.81	0.00	0.21	0.01	0.22	0.01	0.01	0.02		163.63		0.01		163.81
Total	1.16	11.19	7.92	0.02	150.04	0.43	150.47	0.08	0.43	0.51		2,337.63		0.06		2,338.94

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					18.07	0.00	18.07	9.93	0.00	9.93							0.00
Off-Road	6.26	49.34	29.28	0.05		2.49	2.49		2.49	2.49		5,324.18		0.56			5,335.95
Total	6.26	49.34	29.28	0.05	18.07	2.49	20.56	9.93	2.49	12.42		5,324.18		0.56			5,335.95

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	0.11	0.11	1.05	0.00	0.28	0.01	0.29	0.01	0.01	0.02		200.83		0.01		201.06
Total	0.11	0.11	1.05	0.00	0.28	0.01	0.29	0.01	0.01	0.02		200.83		0.01		201.06

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.72	0.00	7.72	4.25	0.00	4.25						0.00
Off-Road	6.26	49.34	29.28	0.05		2.49	2.49		2.49	2.49	0.00	5,324.18		0.56		5,335.95
Total	6.26	49.34	29.28	0.05	7.72	2.49	10.21	4.25	2.49	6.74	0.00	5,324.18		0.56		5,335.95

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	0.11	0.11	1.05	0.00	0.25	0.01	0.26	0.01	0.01	0.02		200.83		0.01		201.06
Total	0.11	0.11	1.05	0.00	0.25	0.01	0.26	0.01	0.01	0.02		200.83		0.01		201.06

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					8.67	0.00	8.67	3.31	0.00	3.31							0.00
Off-Road	7.72	62.03	35.30	0.07		2.92	2.92		2.92	2.92			7,455.84		0.69		7,470.34
Total	7.72	62.03	35.30	0.07	8.67	2.92	11.59	3.31	2.92	6.23			7,455.84		0.69		7,470.34

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
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
Worker	0.12	0.12	1.17	0.00	0.31	0.01	0.32	0.01	0.01	0.02			223.14		0.01		223.40
Total	0.12	0.12	1.17	0.00	0.31	0.01	0.32	0.01	0.01	0.02			223.14		0.01		223.40

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					3.71	0.00	3.71	1.42	0.00	1.42							0.00
Off-Road	7.72	62.03	35.30	0.07		2.92	2.92		2.92	2.92	0.00		7,455.84		0.69		7,470.34
Total	7.72	62.03	35.30	0.07	3.71	2.92	6.63	1.42	2.92	4.34	0.00		7,455.84		0.69		7,470.34

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	0.12	0.12	1.17	0.00	0.28	0.01	0.29	0.01	0.01	0.02		223.14		0.01		223.40
Total	0.12	0.12	1.17	0.00	0.28	0.01	0.29	0.01	0.01	0.02		223.14		0.01		223.40

3.4 Grading - 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					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	7.27	56.91	34.12	0.07		2.64	2.64		2.64	2.64		7,455.84		0.65		7,469.43
Total	7.27	56.91	34.12	0.07	8.67	2.64	11.31	3.31	2.64	5.95		7,455.84		0.65		7,469.43

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	0.11	0.11	1.07	0.00	0.31	0.01	0.32	0.01	0.01	0.02		218.17		0.01		218.41
Total	0.11	0.11	1.07	0.00	0.31	0.01	0.32	0.01	0.01	0.02		218.17		0.01		218.41

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					3.71	0.00	3.71	1.42	0.00	1.42							0.00
Off-Road	7.27	56.91	34.12	0.07		2.64	2.64		2.64	2.64	0.00	7,455.84		0.65			7,469.43
Total	7.27	56.91	34.12	0.07	3.71	2.64	6.35	1.42	2.64	4.06	0.00	7,455.84		0.65			7,469.43

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	0.11	0.11	1.07	0.00	0.28	0.01	0.29	0.01	0.01	0.02		218.17		0.01			218.41
Total	0.11	0.11	1.07	0.00	0.28	0.01	0.29	0.01	0.01	0.02		218.17		0.01			218.41

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	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71		3,252.41		0.36			3,259.89
Total	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71		3,252.41		0.36			3,259.89

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	9.19	98.87	70.26	0.17	6.26	3.13	9.40	0.48	3.13	3.61		18,062.75		0.46		18,072.40
Worker	19.51	20.38	193.37	0.38	50.93	1.62	52.54	1.90	1.62	3.52		37,019.42		2.00		37,061.43
Total	28.70	119.25	263.63	0.55	57.19	4.75	61.94	2.38	4.75	7.13		55,082.17		2.46		55,133.83

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					
Off-Road	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71	0.00	3,252.41		0.36		3,259.89
Total	3.98	26.21	19.14	0.03		1.71	1.71		1.71	1.71	0.00	3,252.41		0.36		3,259.89

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	9.19	98.87	70.26	0.17	5.74	3.13	8.88	0.48	3.13	3.61		18,062.75		0.46		18,072.40
Worker	19.51	20.38	193.37	0.38	46.51	1.62	48.13	1.90	1.62	3.52		37,019.42		2.00		37,061.43
Total	28.70	119.25	263.63	0.55	52.25	4.75	57.01	2.38	4.75	7.13		55,082.17		2.46		55,133.83

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	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52		3,252.41		0.33		3,259.28
Total	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52		3,252.41		0.33		3,259.28

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	8.40	89.31	64.92	0.17	6.26	2.80	9.06	0.48	2.80	3.28		18,119.86		0.42		18,128.65
Worker	18.35	18.58	178.07	0.38	50.93	1.63	52.56	1.90	1.63	3.54		36,194.95		1.86		36,233.99
Total	26.75	107.89	242.99	0.55	57.19	4.43	61.62	2.38	4.43	6.82		54,314.81		2.28		54,362.64

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	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52	0.00	3,252.41		0.33		3,259.28
Total	3.64	23.91	18.95	0.03		1.52	1.52		1.52	1.52	0.00	3,252.41		0.33		3,259.28

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	8.40	89.31	64.92	0.17	5.74	2.80	8.54	0.48	2.80	3.28		18,119.86		0.42			18,128.65
Worker	18.35	18.58	178.07	0.38	46.51	1.63	48.15	1.90	1.63	3.54		36,194.95		1.86			36,233.99
Total	26.75	107.89	242.99	0.55	52.25	4.43	56.69	2.38	4.43	6.82		54,314.81		2.28			54,362.64

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	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34		3,252.41		0.30			3,258.66
Total	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34		3,252.41		0.30			3,258.66

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	7.74	81.70	60.52	0.17	6.27	2.53	8.79	0.48	2.53	3.01		18,148.84		0.38			18,156.90
Worker	17.35	17.00	164.23	0.38	50.93	1.64	52.56	1.90	1.64	3.54		35,188.70		1.73			35,224.99
Total	25.09	98.70	224.75	0.55	57.20	4.17	61.35	2.38	4.17	6.55		53,337.54		2.11			53,381.89

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	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34	0.00	3,252.41		0.30		3,258.66
Total	3.33	21.81	18.78	0.03		1.34	1.34		1.34	1.34	0.00	3,252.41		0.30		3,258.66

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	7.74	81.70	60.52	0.17	5.75	2.53	8.27	0.48	2.53	3.01		18,148.84		0.38		18,156.90
Worker	17.35	17.00	164.23	0.38	46.51	1.64	48.15	1.90	1.64	3.54		35,188.70		1.73		35,224.99
Total	25.09	98.70	224.75	0.55	52.26	4.17	56.42	2.38	4.17	6.55		53,337.54		2.11		53,381.89

3.5 Building Construction - 2017

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	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17		3,252.41		0.27		3,258.11
Total	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17		3,252.41		0.27		3,258.11

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	7.21	75.32	56.80	0.17	6.27	2.30	8.57	0.48	2.30	2.78		18,196.00		0.36			18,203.48
Worker	16.43	15.56	151.91	0.38	50.93	1.65	52.57	1.90	1.65	3.55		34,425.82		1.62			34,459.76
Total	23.64	90.88	208.71	0.55	57.20	3.95	61.14	2.38	3.95	6.33		52,621.82		1.98			52,663.24

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	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17	0.00	3,252.41		0.27			3,258.11
Total	3.04	19.87	18.64	0.03		1.17	1.17		1.17	1.17	0.00	3,252.41		0.27			3,258.11

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	7.21	75.32	56.80	0.17	5.75	2.30	8.04	0.48	2.30	2.78		18,196.00		0.36			18,203.48
Worker	16.43	15.56	151.91	0.38	46.51	1.65	48.16	1.90	1.65	3.55		34,425.82		1.62			34,459.76
Total	23.64	90.88	208.71	0.55	52.26	3.95	56.20	2.38	3.95	6.33		52,621.82		1.98			52,663.24

3.5 Building Construction - 2018

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	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02		3,252.41		0.25		3,257.60
Total	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02		3,252.41		0.25		3,257.60

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	6.72	69.86	53.32	0.17	6.27	2.10	8.37	0.16	1.93	2.09		18,240.98		0.33		18,247.90
Worker	15.57	14.26	140.67	0.38	50.93	1.66	52.58	0.69	1.53	2.22		33,701.06		1.51		33,732.68
Total	22.29	84.12	193.99	0.55	57.20	3.76	60.95	0.85	3.46	4.31		51,942.04		1.84		51,980.58

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					
Off-Road	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02	0.00	3,252.41		0.25		3,257.60
Total	2.77	18.04	18.51	0.03		1.02	1.02		1.02	1.02	0.00	3,252.41		0.25		3,257.60

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	6.72	69.86	53.32	0.17	5.75	2.10	7.85	0.16	1.93	2.09		18,240.98		0.33		18,247.90
Worker	15.57	14.26	140.67	0.38	46.51	1.66	48.17	0.69	1.53	2.22		33,701.06		1.51		33,732.68
Total	22.29	84.12	193.99	0.55	52.26	3.76	56.02	0.85	3.46	4.31		51,942.04		1.84		51,980.58

3.5 Building Construction - 2019

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	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87		3,252.41		0.23		3,257.15
Total	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87		3,252.41		0.23		3,257.15

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	6.29	65.22	50.04	0.18	6.27	1.93	8.20	0.16	1.78	1.94		18,284.89		0.31		18,291.33
Worker	14.90	13.13	131.09	0.38	50.93	1.66	52.58	0.69	1.54	2.23		33,025.82		1.41		33,055.53
Total	21.19	78.35	181.13	0.56	57.20	3.59	60.78	0.85	3.32	4.17		51,310.71		1.72		51,346.86

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	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87	0.00	3,252.41		0.23		3,257.15
Total	2.52	16.41	18.38	0.03		0.87	0.87		0.87	0.87	0.00	3,252.41		0.23		3,257.15

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	6.29	65.22	50.04	0.18	5.75	1.93	7.68	0.16	1.78	1.94		18,284.89		0.31		18,291.33
Worker	14.90	13.13	131.09	0.38	46.51	1.66	48.17	0.69	1.54	2.23		33,025.82		1.41		33,055.53
Total	21.19	78.35	181.13	0.56	52.26	3.59	55.85	0.85	3.32	4.17		51,310.71		1.72		51,346.86

3.5 Building Construction - 2020

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	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74		3,252.41		0.21		3,256.73
Total	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74		3,252.41		0.21		3,256.73

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	5.91	61.28	47.14	0.17	6.27	1.79	8.05	0.16	1.65	1.81		18,325.75		0.29		18,331.79
Worker	14.31	12.12	122.58	0.38	50.93	1.66	52.59	0.69	1.54	2.23		32,398.36		1.33		32,426.37
Total	20.22	73.40	169.72	0.55	57.20	3.45	60.64	0.85	3.19	4.04		50,724.11		1.62		50,758.16

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	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74	0.00	3,252.41		0.21		3,256.73
Total	2.31	14.93	18.28	0.03		0.74	0.74		0.74	0.74	0.00	3,252.41		0.21		3,256.73

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	5.91	61.28	47.14	0.17	5.75	1.79	7.53	0.16	1.65	1.81		18,325.75		0.29		18,331.79
Worker	14.31	12.12	122.58	0.38	46.51	1.66	48.18	0.69	1.54	2.23		32,398.36		1.33		32,426.37
Total	20.22	73.40	169.72	0.55	52.26	3.45	55.71	0.85	3.19	4.04		50,724.11		1.62		50,758.16

3.5 Building Construction - 2021

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	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63		3,252.41		0.19		3,256.34
Total	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63		3,252.41		0.19		3,256.34

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	5.59	57.89	44.78	0.17	6.27	1.66	7.93	0.16	1.53	1.69		18,363.85		0.27		18,369.51
Worker	13.81	11.26	115.50	0.38	50.93	1.67	52.60	0.69	1.56	2.24		31,909.86		1.27		31,936.58
Total	19.40	69.15	160.28	0.55	57.20	3.33	60.53	0.85	3.09	3.93		50,273.71		1.54		50,306.09

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	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63	0.00	3,252.41		0.19		3,256.34
Total	2.11	13.49	18.15	0.03		0.63	0.63		0.63	0.63	0.00	3,252.41		0.19		3,256.34

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	5.59	57.89	44.78	0.17	5.75	1.66	7.41	0.16	1.53	1.69		18,363.85		0.27			18,369.51
Worker	13.81	11.26	115.50	0.38	46.51	1.67	48.19	0.69	1.56	2.24		31,909.86		1.27			31,936.58
Total	19.40	69.15	160.28	0.55	52.26	3.33	55.60	0.85	3.09	3.93		50,273.71		1.54			50,306.09

3.5 Building Construction - 2022

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	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53		3,252.41		0.17			3,256.06
Total	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53		3,252.41		0.17			3,256.06

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	5.30	55.02	42.60	0.18	6.27	1.55	7.82	0.16	1.43	1.59		18,400.86		0.25			18,406.19
Worker	13.32	10.46	108.69	0.38	50.93	1.68	52.61	0.69	1.56	2.24		31,384.56		1.20			31,409.81
Total	18.62	65.48	151.29	0.56	57.20	3.23	60.43	0.85	2.99	3.83		49,785.42		1.45			49,816.00

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	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53	0.00	3,252.41		0.17		3,256.06
Total	1.96	12.30	18.10	0.03		0.53	0.53		0.53	0.53	0.00	3,252.41		0.17		3,256.06

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	5.30	55.02	42.60	0.18	5.75	1.55	7.30	0.16	1.43	1.59		18,400.86		0.25		18,406.19
Worker	13.32	10.46	108.69	0.38	46.51	1.68	48.20	0.69	1.56	2.24		31,384.56		1.20		31,409.81
Total	18.62	65.48	151.29	0.56	52.26	3.23	55.50	0.85	2.99	3.83		49,785.42		1.45		49,816.00

3.5 Building Construction - 2023

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	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45		3,252.41		0.16		3,255.85
Total	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45		3,252.41		0.16		3,255.85

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	5.06	52.60	40.77	0.18	6.27	1.46	7.72	0.16	1.34	1.50		18,436.67		0.24		18,441.74
Worker	12.84	9.75	102.45	0.38	50.93	1.68	52.61	0.69	1.56	2.24		30,898.16		1.14		30,922.13
Total	17.90	62.35	143.22	0.56	57.20	3.14	60.33	0.85	2.90	3.74		49,334.83		1.38		49,363.87

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	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45	0.00	3,252.41		0.16		3,255.85
Total	1.84	11.23	18.05	0.03		0.45	0.45		0.45	0.45	0.00	3,252.41		0.16		3,255.85

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	5.06	52.60	40.77	0.18	5.75	1.46	7.20	0.16	1.34	1.50		18,436.67		0.24		18,441.74
Worker	12.84	9.75	102.45	0.38	46.51	1.68	48.20	0.69	1.56	2.24		30,898.16		1.14		30,922.13
Total	17.90	62.35	143.22	0.56	52.26	3.14	55.40	0.85	2.90	3.74		49,334.83		1.38		49,363.87

3.5 Building Construction - 2024

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	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38		3,252.41		0.15		3,255.65
Total	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38		3,252.41		0.15		3,255.65

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	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	4.86	50.76	39.15	0.18	6.27	1.38	7.65	0.16	1.27	1.43		18,454.93		0.23		18,459.77
Worker	12.38	9.11	96.92	0.38	50.93	1.68	52.61	0.69	1.57	2.25		30,475.83		1.10		30,498.94
Total	17.24	59.87	136.07	0.56	57.20	3.06	60.26	0.85	2.84	3.68		48,930.76		1.33		48,958.71

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	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38	0.00	3,252.41		0.15		3,255.65
Total	1.73	10.31	18.02	0.03		0.38	0.38		0.38	0.38	0.00	3,252.41		0.15		3,255.65

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	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	4.86	50.76	39.15	0.18	5.75	1.38	7.13	0.16	1.27	1.43		18,454.93		0.23		18,459.77
Worker	12.38	9.11	96.92	0.38	46.51	1.68	48.20	0.69	1.57	2.25		30,475.83		1.10		30,498.94
Total	17.24	59.87	136.07	0.56	52.26	3.06	55.33	0.85	2.84	3.68		48,930.76		1.33		48,958.71

3.5 Building Construction - 2025

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	6.27	1.32	7.59	0.16	1.21	1.37		18,480.26		0.22		18,484.94
Worker	11.96	8.55	92.18	0.38	50.93	1.69	52.62	0.69	1.57	2.25		30,075.83		1.05		30,097.88
Total	16.66	57.76	130.01	0.56	57.20	3.01	60.21	0.85	2.78	3.62		48,556.09		1.27		48,582.82

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	5.75	1.32	7.07	0.16	1.21	1.37		18,480.26		0.22		18,484.94
Worker	11.96	8.55	92.18	0.38	46.51	1.69	48.21	0.69	1.57	2.25		30,075.83		1.05		30,097.88
Total	16.66	57.76	130.01	0.56	52.26	3.01	55.28	0.85	2.78	3.62		48,556.09		1.27		48,582.82

3.5 Building Construction - 2026

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	6.27	1.32	7.59	0.16	1.21	1.37		18,480.26		0.22			18,484.94
Worker	11.96	8.55	92.18	0.38	50.93	1.69	52.62	0.69	1.57	2.25		30,075.83		1.05			30,097.88
Total	16.66	57.76	130.01	0.56	57.20	3.01	60.21	0.85	2.78	3.62		48,556.09		1.27			48,582.82

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14			3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14			3,255.43

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	4.70	49.21	37.83	0.18	5.75	1.32	7.07	0.16	1.21	1.37		18,480.26		0.22			18,484.94
Worker	11.96	8.55	92.18	0.38	46.51	1.69	48.21	0.69	1.57	2.25		30,075.83		1.05			30,097.88
Total	16.66	57.76	130.01	0.56	52.26	3.01	55.28	0.85	2.78	3.62		48,556.09		1.27			48,582.82

3.5 Building Construction - 2027

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	6.27	1.32	7.59	0.16	1.21	1.37		18,480.26		0.22		18,484.94
Worker	11.96	8.55	92.18	0.38	50.93	1.69	52.62	0.69	1.57	2.25		30,075.83		1.05		30,097.88
Total	16.66	57.76	130.01	0.56	57.20	3.01	60.21	0.85	2.78	3.62		48,556.09		1.27		48,582.82

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	5.75	1.32	7.07	0.16	1.21	1.37		18,480.26		0.22			18,484.94
Worker	11.96	8.55	92.18	0.38	46.51	1.69	48.21	0.69	1.57	2.25		30,075.83		1.05			30,097.88
Total	16.66	57.76	130.01	0.56	52.26	3.01	55.28	0.85	2.78	3.62		48,556.09		1.27			48,582.82

3.5 Building Construction - 2028

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14			3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14			3,255.43

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	4.70	49.21	37.83	0.18	6.27	1.32	7.59	0.16	1.21	1.37		18,480.26		0.22			18,484.94
Worker	11.96	8.55	92.18	0.38	50.93	1.69	52.62	0.69	1.57	2.25		30,075.83		1.05			30,097.88
Total	16.66	57.76	130.01	0.56	57.20	3.01	60.21	0.85	2.78	3.62		48,556.09		1.27			48,582.82

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	5.75	1.32	7.07	0.16	1.21	1.37		18,480.26		0.22		18,484.94
Worker	11.96	8.55	92.18	0.38	46.51	1.69	48.21	0.69	1.57	2.25		30,075.83		1.05		30,097.88
Total	16.66	57.76	130.01	0.56	52.26	3.01	55.28	0.85	2.78	3.62		48,556.09		1.27		48,582.82

3.5 Building Construction - 2029

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33		3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	6.27	1.32	7.59	0.16	1.21	1.37		18,480.26		0.22		18,484.94
Worker	11.96	8.55	92.18	0.38	50.93	1.69	52.62	0.69	1.57	2.25		30,075.83		1.05		30,097.88
Total	16.66	57.76	130.01	0.56	57.20	3.01	60.21	0.85	2.78	3.62		48,556.09		1.27		48,582.82

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	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43
Total	1.64	9.52	18.00	0.03		0.33	0.33		0.33	0.33	0.00	3,252.41		0.14		3,255.43

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	4.70	49.21	37.83	0.18	5.75	1.32	7.07	0.16	1.21	1.37		18,480.26		0.22		18,484.94
Worker	11.96	8.55	92.18	0.38	46.51	1.69	48.21	0.69	1.57	2.25		30,075.83		1.05		30,097.88
Total	16.66	57.76	130.01	0.56	52.26	3.01	55.28	0.85	2.78	3.62		48,556.09		1.27		48,582.82

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	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66		2,643.67		0.33		2,650.52
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66		2,643.67		0.33		2,650.52

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	0.09	0.09	0.87	0.00	0.23	0.01	0.24	0.01	0.01	0.02		167.36		0.01		167.55
Total	0.09	0.09	0.87	0.00	0.23	0.01	0.24	0.01	0.01	0.02		167.36		0.01		167.55

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	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66	0.00	2,643.67		0.33		2,650.52
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.63	26.81	16.42	0.03		1.66	1.66		1.66	1.66	0.00	2,643.67		0.33		2,650.52

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	0.09	0.09	0.87	0.00	0.21	0.01	0.22	0.01	0.01	0.02		167.36		0.01		167.55
Total	0.09	0.09	0.87	0.00	0.21	0.01	0.22	0.01	0.01	0.02		167.36		0.01		167.55

3.6 Paving - 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	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54		2,643.67		0.31		2,650.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54		2,643.67		0.31		2,650.12

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	0.08	0.08	0.81	0.00	0.23	0.01	0.24	0.01	0.01	0.02		163.63		0.01		163.81
Total	0.08	0.08	0.81	0.00	0.23	0.01	0.24	0.01	0.01	0.02		163.63		0.01		163.81

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	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54	0.00	2,643.67		0.31		2,650.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.43	24.93	16.33	0.03		1.54	1.54		1.54	1.54	0.00	2,643.67		0.31		2,650.12

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	0.08	0.08	0.81	0.00	0.21	0.01	0.22	0.01	0.01	0.02		163.63		0.01		163.81
Total	0.08	0.08	0.81	0.00	0.21	0.01	0.22	0.01	0.01	0.02		163.63		0.01		163.81

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	172.37					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	172.82	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	3.90	4.08	38.70	0.08	10.19	0.32	10.51	0.38	0.32	0.70		7,408.35		0.40		7,416.75
Total	3.90	4.08	38.70	0.08	10.19	0.32	10.51	0.38	0.32	0.70		7,408.35		0.40		7,416.75

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	172.37					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	172.82	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	3.90	4.08	38.70	0.08	9.31	0.32	9.63	0.38	0.32	0.70		7,408.35		0.40		7,416.75
Total	3.90	4.08	38.70	0.08	9.31	0.32	9.63	0.38	0.32	0.70		7,408.35		0.40		7,416.75

3.7 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	172.37					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	172.78	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	3.67	3.72	35.64	0.08	10.19	0.33	10.52	0.38	0.33	0.71		7,243.35		0.37		7,251.17
Total	3.67	3.72	35.64	0.08	10.19	0.33	10.52	0.38	0.33	0.71		7,243.35		0.37		7,251.17

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	172.37					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	172.78	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	3.67	3.72	35.64	0.08	9.31	0.33	9.64	0.38	0.33	0.71		7,243.35		0.37		7,251.17
Total	3.67	3.72	35.64	0.08	9.31	0.33	9.64	0.38	0.33	0.71		7,243.35		0.37		7,251.17

CalEEMod Construction Run Land Use Inputs - Buildout

Type	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet
Residential	3,884.00	DU	218.29	default
Retail (strip mall)	998.721	1000bsf	22.93	998,721
Service (Office Park)	375.00	1000bsf	8.61	375,000
Other Commercial (General Light Industrial)	195.00	1000bsf	4.48	195,000
			254.30	acres

Project Location: Orange County
 Climate Zone: 8
 Operation Year: -
 Land Use Setting: Urban
 Utility Company: SCE
 Source Receptor Area: 17

Demolition

<i>Building Square Footage Demolished</i>	1,555,000	building square feet
<i>Total Haul Trips</i>	7,073	trip ends (CalEEMod Default)
<i>1-way haul distance</i>	20	miles (CalEEMod Default)
<i>Haul truck capacity</i>	16	cubic yards (CalEEMod default)

Construction Phasing and Equipment

Because of the programmatic nature of the Corridor Plan, CalEEMod defaults are assumed

Architectural Coating

Modeling also assumes a VOC of 100 g/L for interior paints pursuant to SCAQMD Rule 1113

Construction Phasing

5-Day Work Week

CalEEMod Default Schedule

Phase Name*	Start Date	End Date	CalEEMod Days
Demolition	1/2/2011	2/24/2012	300
Site Preparation	7/14/2012	11/2/2012	180
Grading	6/15/2013	8/15/2014	465
Building Construction	10/31/2015	6/11/2032	4,650
Paving	8/6/2039	9/16/2033	330
Architectural Coating	4/13/2041	12/22/2034	330
		Duration	23.7 years

Interpolated for 21 Year Construction Schedule (Sequential)

Phase Name*	Start Date	End Date	CalEEMod Days*	Duration (Mos)
Demolition	1/1/2014	1/7/2015	266	12.1
Site Preparation	1/8/2015	8/19/2015	160	7.3
Grading	8/20/2015	3/17/2017	412	18.7
Building Construction	3/18/2017	1/3/2033	4,121	187.3
Paving	1/4/2033	2/15/2034	292	13.3
Architectural Coating	2/16/2034	3/30/2035	292	13.3
		Buildout Duration	21	years

Interpolated for 21 Year Construction Schedule (Overlap)

Phase Name*	Start Date	End Date	CalEEMod Days*	Duration (Mos)
Demolition	1/1/2014	1/7/2015	266	12.1
Site Preparation	1/1/2014	8/12/2014	160	7.3
Grading	1/1/2014	7/30/2015	412	18.7
Building Construction	1/1/2014	10/17/2029	4,121	187.3
Paving	1/1/2014	2/12/2015	292	13.3
Architectural Coating	1/1/2014	2/12/2015	292	13.3

Construction Equipment Mix

Type of Equipment	Pieces of Equipment	Hrs Op	HP*	LF*	Worker Trips/ Day	CalEEMod Vendor Trips	Total Haul Trips	1-way Haul Trip
Demolition	Default	Default			Default	Default	Default	Default
Concrete/Industrial Saws	1	8	81	0.73				
Excavators	3	8	163	0.38				
Rubber Tired Dozers	2	8	358	0.36				
Site Preparation	Default	Default			Default	Default	Default	Default
Rubber Tired Dozers	3	8	358	0.36				
Tractors/Loaders/Backhoes	4	8	98	0.37				
Grading	Default	Default			Default	Default	Default	Default
Excavators	2	8	163	0.38				
Graders	1	8	175	0.41				
Rubber Tired Dozers	1	8	358	0.36				
Scrapers	2	8	362	0.48				
Tractors/Loaders/Backhoes	2	8	98	0.37				
Building Construction	Default	Default			Default	Default	Default	Default
Cranes	1	7	226	0.29				
Forklifts	3	8	149	0.20				
Generator Sets	1	8	84	0.74				
Tractors/Loaders/Backhoes	3	7	98	0.37				
Welders	1	8	46	0.45				
Paving	Default	Default			Default	Default	Default	Default
Pavers	2	8	126	0.42				
Paving Equipment	2	8	131	0.36				
Rollers	2	8	84	0.38				
Architectural Coating	Default	Default			Default	Default	Default	Default
Air Compressors	1	6	78	0.48				

EquipmentTypeID	OFFROAD2011 Adj	COMPARE TO		OFFROAD2011 Adj	COMPARE TO		Max-Average HP Used in CalEEMod Run
	ARB LF	CalEEMod Default LF	Percent Change	ARB HP	CalEEMod Default HP		
Aerial Lifts	0.31	0.46	-33%	63	34	63	
Cement and Mortar Mixers	NA	0.56		NA	9	9	
Cranes	0.29	0.43	-33%	226	208	226	
Excavators	0.38	0.57	-33%	163	157	163	
Forklifts	0.20	0.30	-33%	89	149	149	
Graders	0.41	0.61	-33%	175	162	175	
Lift (GSE)	0.34	NA		95	NA	95	
Off-Highway Tractors	0.44	0.65	-33%	123	160	160	
Off-Highway Trucks	0.38	0.57	-33%	400	381	400	
Other Construction Equipment	0.42	0.62	-33%	172	327	327	
Other General Industrial Equipment	0.34	0.51	-33%	88	150	150	
Other GSE	0.34	NA		108	NA	108	
Other Material Handling Equipment	0.40	0.59	-33%	167	196	196	
Passenger Stand	0.40	NA		70	NA	70	
Pavers	0.42	0.62	-33%	126	89	126	
Paving Equipment	0.36	0.53	-33%	131	82	131	
Plate Compactors	NA	0.43		NA	8	8	
Pressure Washers	NA	0.30		NA	13	13	
Pumps	NA	0.74		NA	84	84	
Rollers	0.38	0.56	-33%	81	84	84	
Rough Terrain Forklifts	0.40	0.60	-33%	100	83	100	
Rubber Tired Dozers	0.40	0.59	-33%	255	358	358	
Rubber Tired Loaders	0.36	0.54	-33%	200	87	200	
Scrapers	0.48	0.72	-33%	362	356	362	
Skid Steer Loaders	0.37	0.55	-33%	65	37	65	
Tractors/Loaders/Backhoes	0.37	0.55	-33%	98	75	98	

Source: OFFROAD2011 and CalEEMod

Building Demolition Assumptions Worksheet

Land Uses	Existing		Assumed Demo		Proposed Buildout		New Land Uses		Remaining Existing Land Uses	
	1000 BSF	DU	1000 BSF	DU	1000 BSF	DU	1000 BSF	DU	1000 BSF	DU
Residential		739	n/a			4,623	n/a	3,884	n/a	739
Retail	633.878		234.617	n/a	1,397.982		998.721	n/a	399.261	n/a
Service	815.346		815.346	n/a	375.000		375.000	n/a	0	n/a
Other Commercial (Industrial)	505.037		505.037	n/a	195.000		195.000	n/a	0	n/a

Total Building Demolition* 1,555 1000BSF (building square feet)

*It is anticipated that approximately 1,555,000 building square feet of the existing non-residential land uses would be demolished.

Operation Emissions Worksheet

Existing - Year 2035

Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	70.58	0.71	61.54	0		0	1.33		0	1.32
Energy	0.97	8.69	6.32	0.05		0	0.67		0	0.67
Mobile	43.35	30.04	358.75	1.65	203.87	6.74	210.61	2.77	5.54	8.31
Total	114.9	39.44	426.61	1.7	203.87	6.74	212.61	2.77	5.54	10.3

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	70.58	0.71	61.54	0		0	1.33		0	1.32
Energy	0.97	8.69	6.32	0.05		0	0.67		0	0.67
Mobile	46.93	31.8	345.82	1.56	203.87	6.74	210.62	2.77	5.55	8.31
Total	118.48	41.2	413.68	1.61	203.87	6.74	212.62	2.77	5.55	10.3

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	70.58	0.71	61.54	0.00	0.00	0.00	1.33	0.00	0.00	1.32
Energy	0.97	8.69	6.32	0.05	0	0	0.67	0	0	0.67
Mobile	46.93	31.8	358.75	1.65	203.87	6.74	210.62	2.77	5.55	8.31
Total	118.48	41.2	426.61	1.7	203.87	6.74	212.62	2.77	5.55	10.3

Buildout - Year 2035

Summer
New Buildings

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	143.42	3.71	323.43	0.02		0	7		0	6.94
Energy	1.34	11.63	5.92	0.07		0	0.93		0	0.93
Mobile	86.07	59.86	718.44	3.33	410.73	13.54	424.27	5.58	11.14	16.71
Total	230.83	75.2	1047.79	3.42	410.73	13.54	432.2	5.58	11.14	24.58

Remaining Existing Buildings

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	29.92	0.71	61.54	0		0	1.33		0	1.32
Energy	0.29	2.45	1.14	0.02		0	0.2		0	0.2
Mobile	23.09	15.96	189.94	0.87	107.48	3.56	111.04	1.46	2.93	4.39
Total	53.3	19.12	252.62	0.89	107.48	3.56	112.57	1.46	2.93	5.91

Combined

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	173.34	4.42	384.97	0.02	0	0	8.33	0	0	8.26
Energy	1.63	14.08	7.06	0.09	0	0	1.13	0	0	1.13
Mobile	109.16	75.82	908.38	4.2	518.21	17.1	535.31	7.04	14.07	21.1
Total	284.13	94.32	1300.41	4.31	518.21	17.1	544.77	7.04	14.07	30.49

Winter
New Buildings

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	143.42	3.71	323.43	0.02		0	7		0	6.94
Energy	1.34	11.63	5.92	0.07		0	0.93		0	0.93
Mobile	93.39	63.43	691.15	3.15	410.73	13.55	424.28	5.58	11.14	16.72
Total	238.15	78.77	1020.5	3.24	410.73	13.55	432.21	5.58	11.14	24.59

Remaining Existing Buildings

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	29.92	0.71	61.54	0		0	1.33		0	1.32
Energy	0.29	2.45	1.14	0.02		0	0.2		0	0.2
Mobile	24.96	16.89	183.36	0.82	107.48	3.56	111.05	1.46	2.93	4.39
Total	55.17	20.05	246.04	0.84	107.48	3.56	112.58	1.46	2.93	5.91

Combined

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	173.34	4.42	384.97	0.02	0	0	8.33	0	0	8.26
Energy	1.63	14.08	7.06	0.09	0	0	1.13	0	0	1.13
Mobile	118.35	80.32	874.51	3.97	518.21	17.11	535.33	7.04	14.07	21.11
Total	293.32	98.82	1266.54	4.08	518.21	17.11	544.79	7.04	14.07	30.5

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	173.34	4.42	384.97	0.02	0	0	8.33	0	0	8.26
Energy	1.63	14.08	7.06	0.09	0	0	1.13	0	0	1.13
Mobile	118.35	80.32	908.38	4.2	518.21	17.11	535.33	7.04	14.07	21.11
Total	293.32	98.82	1300.41	4.31	518.21	17.11	544.79	7.04	14.07	30.5

Net Difference

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	102.76	3.71	323.43	0.02	0	0	7	0	0	6.94
Energy	0.66	5.39	0.74	0.04	0	0	0.46	0	0	0.46
Mobile	71.42	48.52	549.63	2.55	314.34	10.37	324.71	4.27	8.52	12.8
Total	174.84	57.62	873.8	2.61	314.34	10.37	332.17	4.27	8.52	20.2

GHG Summary:

Existing - 2035

	<u>MTons Total</u>	
Total Construction	0	
Source	Buildout MTons/Year	Percent of Project Total
Area	554	2%
Energy	10,752	35%
Mobile	15,625	51%
Waste	2,859	9%
Water	577	2%
Total All Sectors	30,368	100%
Service Population (Residents+Employees)	4,638	
Per Capita	6.55	N/A

Proposed Project Buildout (2035)

	<u>MTons Total</u>	
Total Construction	106,453	
New Land Uses		
Source	Buildout MTons/Year	Percent of Project Total
Area	554	1%
Energy	2,774	4%
Mobile	8,640	12%
Waste	1,181	2%
Water	451	1%
Total All Sectors	13,601	18%
Remaining Existing Land Uses		
Source	Buildout MTons/Year	Percent of Project Total
Area	2,914	4%
Energy	12,030	16%
Mobile	32,629	44%
Waste	5,637	8%
Water	1,982	3%
Total All Sectors	55,192	74%
Combined		
Source	Buildout MTons/Year	Percent of Project Total
Area	3,468	5%
Energy	14,805	20%
Mobile	41,270	56%
Waste	6,818	9%
Water	2,432	3%
Amortized Construction Emissions*	5,323	7%
Total All Sectors	74,115	100%
Service Population (Residents+Employees)	20,138	
Per Capita	3.68	N/A

*Total construction emissions are amortized over 20 years.

Net Difference

Source	Buildout MTons/Year	Percent of Project Total
Area	2,914	
Energy	4,052	
Mobile	25,644	
Waste	3,959	
Water	1,855	
Amortized Construction Emissions*	5,323	
Total All Sectors	43,747	0%

Operation_Existing 2035
Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	815.346	1000sqft
General Light Industry	505.037	1000sqft
Apartments Mid Rise	739	Dwelling Unit
Strip Mall	633.878	1000sqft

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 - Based on total acreage of the Plan.
- Vehicle Trips - Based on reduced weekday trip rate provided by TIS.
- Vehicle Emission Factors - Based on proposed project.
- Vehicle Emission Factors - Based on the proposed project.
- Vehicle Emission Factors - Based on the proposed project.
- Woodstoves - The vast majority of dwelling units within the plan boundaries are either mobile-home or multifamily dwelling units.
- Energy Use - Assumes existing buildings were built to meet 2005 Building Code standards.
- Water And Wastewater - Indoor and outdoor values based on water and wastewater values stated in the DEIR. Assumes existing land uses do not utilize septic
- Energy Mitigation -
- Solid Waste - Based on solid waste generation calculated in the DEIR.

2.0 Emissions Summary

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	12.67	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
Energy	0.18	1.59	1.15	0.01		0.00	0.12		0.00	0.12	0.00	10,685.51	10,685.51	0.44	0.19	10,752.17
Mobile	6.92	4.81	56.36	0.25	29.39	1.07	30.47	0.44	0.88	1.33	0.00	15,614.64	15,614.64	0.50	0.00	15,625.19
Waste						0.00	0.00		0.00	0.00	1,275.80	0.00	1,275.80	75.40	0.00	2,859.15
Water						0.00	0.00		0.00	0.00	0.00	549.02	549.02	0.03	0.09	577.15
Total	19.77	6.53	68.72	0.26	29.39	1.07	30.69	0.44	0.88	1.55	1,275.80	27,399.94	28,675.74	76.40	0.29	30,368.03

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	12.67	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
Energy	0.18	1.59	1.15	0.01		0.00	0.12		0.00	0.12	0.00	10,685.51	10,685.51	0.44	0.19	10,752.17
Mobile	6.92	4.81	56.36	0.25	29.39	1.07	30.47	0.44	0.88	1.33	0.00	15,614.64	15,614.64	0.50	0.00	15,625.19
Waste						0.00	0.00		0.00	0.00	1,275.80	0.00	1,275.80	75.40	0.00	2,859.15
Water						0.00	0.00		0.00	0.00	0.00	549.02	549.02	0.03	0.09	577.15
Total	19.77	6.53	68.72	0.26	29.39	1.07	30.69	0.44	0.88	1.55	1,275.80	27,399.94	28,675.74	76.40	0.29	30,368.03

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	6.92	4.81	56.36	0.25	29.39	1.07	30.47	0.44	0.88	1.33	0.00	15,614.64	15,614.64	0.50	0.00	15,625.19
Unmitigated	6.92	4.81	56.36	0.25	29.39	1.07	30.47	0.44	0.88	1.33	0.00	15,614.64	15,614.64	0.50	0.00	15,625.19
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	4,057.11	4,404.44	3731.95	13,523,056	13,523,056
General Light Industry	712.10	136.36	70.71	1,815,976	1,815,976
Office Park	3,783.21	546.28	252.76	9,433,126	9,433,126
Strip Mall	13,900.94	13,184.66	6408.51	29,242,815	29,242,815
Total	22,453.36	18,271.74	10,463.92	54,014,972	54,014,972

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
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
Office Park	8.90	13.30	7.40	33.00	48.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

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	8,928.87	8,928.87	0.40	0.15	8,984.83
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	8,928.87	8,928.87	0.40	0.15	8,984.83
NaturalGas Mitigated	0.18	1.59	1.15	0.01		0.00	0.12		0.00	0.12	0.00	1,756.64	1,756.64	0.03	0.03	1,767.33
NaturalGas Unmitigated	0.18	1.59	1.15	0.01		0.00	0.12		0.00	0.12	0.00	1,756.64	1,756.64	0.03	0.03	1,767.33
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	9.40411e+006	0.05	0.43	0.18	0.00		0.00	0.04		0.00	0.04	0.00	501.84	501.84	0.01	0.01	504.89
General Light Industry	1.11613e+007	0.06	0.55	0.46	0.00		0.00	0.04		0.00	0.04	0.00	595.61	595.61	0.01	0.01	599.24
Office Park	1.10153e+007	0.06	0.54	0.45	0.00		0.00	0.04		0.00	0.04	0.00	587.82	587.82	0.01	0.01	591.40
Strip Mall	1.33748e+006	0.01	0.07	0.06	0.00		0.00	0.00		0.00	0.00	0.00	71.37	71.37	0.00	0.00	71.81
Total		0.18	1.59	1.15	0.00		0.00	0.12		0.00	0.12	0.00	1,756.64	1,756.64	0.03	0.03	1,767.34

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	9.40411e+006	0.05	0.43	0.18	0.00		0.00	0.04		0.00	0.04	0.00	501.84	501.84	0.01	0.01	504.89
General Light Industry	1.11613e+007	0.06	0.55	0.46	0.00		0.00	0.04		0.00	0.04	0.00	595.61	595.61	0.01	0.01	599.24
Office Park	1.10153e+007	0.06	0.54	0.45	0.00		0.00	0.04		0.00	0.04	0.00	587.82	587.82	0.01	0.01	591.40
Strip Mall	1.33748e+006	0.01	0.07	0.06	0.00		0.00	0.00		0.00	0.00	0.00	71.37	71.37	0.00	0.00	71.81
Total		0.18	1.59	1.15	0.00		0.00	0.12		0.00	0.12	0.00	1,756.64	1,756.64	0.03	0.03	1,767.34

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	2.65236e+006					771.49	0.03	0.01	776.33
General Light Industry	4.87361e+006					1,417.59	0.06	0.02	1,426.47
Office Park	1.46518e+007					4,261.77	0.19	0.07	4,288.48
Strip Mall	8.51932e+006					2,478.02	0.11	0.04	2,493.55
Total						8,928.87	0.39	0.14	8,984.83

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	2.65236e+006					771.49	0.03	0.01	776.33
General Light Industry	4.87361e+006					1,417.59	0.06	0.02	1,426.47
Office Park	1.46518e+007					4,261.77	0.19	0.07	4,288.48
Strip Mall	8.51932e+006					2,478.02	0.11	0.04	2,493.55
Total						8,928.87	0.39	0.14	8,984.83

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	tons/yr										MT/yr					
Mitigated	12.67	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
Unmitigated	12.67	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
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	2.55					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	9.73					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.05	0.00	0.00	0.00		0.00	0.04		0.00	0.04	0.00	532.38	532.38	0.01	0.01	535.62
Landscaping	0.33	0.13	11.21	0.00		0.00	0.06		0.00	0.06	0.00	18.38	18.38	0.02	0.00	18.75
Total	12.66	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.76	550.76	0.03	0.01	554.37

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	2.55					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	9.73					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.05	0.00	0.00	0.00		0.00	0.04		0.00	0.04	0.00	532.38	532.38	0.01	0.01	535.62
Landscaping	0.33	0.13	11.21	0.00		0.00	0.06		0.00	0.06	0.00	18.38	18.38	0.02	0.00	18.75
Total	12.66	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.76	550.76	0.03	0.01	554.37

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					549.02	0.03	0.09	577.15
Unmitigated					549.02	0.03	0.09	577.15
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	89.0235 / 44.1142					480.73	0.03	0.08	505.36
General Light Industry	3.26841 / 0					12.42	0.00	0.00	13.29
Office Park	5.27662 / 3.52595					31.44	0.00	0.00	32.92
Strip Mall	4.10222 / 2.74119					24.44	0.00	0.00	25.59
Total						549.03	0.03	0.08	577.16

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	89.0235 / 44.1142					480.73	0.03	0.08	505.36
General Light Industry	3.26841 / 0					12.42	0.00	0.00	13.29
Office Park	5.27662 / 3.52595					31.44	0.00	0.00	32.92
Strip Mall	4.10222 / 2.74119					24.44	0.00	0.00	25.59
Total						549.03	0.03	0.08	577.16

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					1,275.80	75.40	0.00	2,859.15
Unmitigated					1,275.80	75.40	0.00	2,859.15
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	1649					334.73	19.78	0.00	750.16
General Light Industry	1198					243.18	14.37	0.00	544.99
Office Park	1934					392.58	23.20	0.00	879.81
Strip Mall	1504					305.30	18.04	0.00	684.19
Total						1,275.79	75.39	0.00	2,859.15

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	1649					334.73	19.78	0.00	750.16
General Light Industry	1198					243.18	14.37	0.00	544.99
Office Park	1934					392.58	23.20	0.00	879.81
Strip Mall	1504					305.30	18.04	0.00	684.19
Total						1,275.79	75.39	0.00	2,859.15

9.0 Vegetation

Operation_Existing 2035
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	815.346	1000sqft
General Light Industry	505.037	1000sqft
Apartments Mid Rise	739	Dwelling Unit
Strip Mall	633.878	1000sqft

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 - Based on total acreage of the Plan.
- Vehicle Trips - Based on reduced weekday trip rate provided by TIS.
- Vehicle Emission Factors - Based on proposed project.
- Vehicle Emission Factors - Based on the proposed project.
- Vehicle Emission Factors - Based on the proposed project.
- Woodstoves - The vast majority of dwelling units within the plan boundaries are either mobile-home or multifamily dwelling units.
- Energy Use - Assumes existing buildings were built to meet 2005 Building Code standards.
- Water And Wastewater - Indoor and outdoor values based on water and wastewater values stated in the DEIR. Assumes existing land uses do not utilize septic
- Energy Mitigation -
- Solid Waste - Based on solid waste generation calculated in the DEIR.

2.0 Emissions Summary

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	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67		10,610.23		0.20	0.19	10,674.80
Mobile	43.35	30.04	358.75	1.65	203.87	6.74	210.61	2.77	5.54	8.31		112,887.80		3.54		112,962.12
Total	114.90	39.44	426.61	1.70	203.87	6.74	212.61	2.77	5.54	10.30	0.00	139,258.56		4.15	0.48	139,494.90

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	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67		10,610.23		0.20	0.19	10,674.80
Mobile	43.35	30.04	358.75	1.65	203.87	6.74	210.61	2.77	5.54	8.31		112,887.80		3.54		112,962.12
Total	114.90	39.44	426.61	1.70	203.87	6.74	212.61	2.77	5.54	10.30	0.00	139,258.56		4.15	0.48	139,494.90

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	43.35	30.04	358.75	1.65	203.87	6.74	210.61	2.77	5.54	8.31		112,887.80		3.54		112,962.12
Unmitigated	43.35	30.04	358.75	1.65	203.87	6.74	210.61	2.77	5.54	8.31		112,887.80		3.54		112,962.12
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	4,057.11	4,404.44	3731.95	13,523,056	13,523,056
General Light Industry	712.10	136.36	70.71	1,815,976	1,815,976
Office Park	3,783.21	546.28	252.76	9,433,126	9,433,126
Strip Mall	13,900.94	13,184.66	6408.51	29,242,815	29,242,815
Total	22,453.36	18,271.74	10,463.92	54,014,972	54,014,972

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
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
Office Park	8.90	13.30	7.40	33.00	48.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67		10,610.23		0.20	0.19	10,674.80
NaturalGas Unmitigated	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67		10,610.23		0.20	0.19	10,674.80
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	25764.7	0.28	2.37	1.01	0.02		0.00	0.19		0.00	0.19		3,031.14		0.06	0.06	3,049.59
General Light Industry	30579	0.33	3.00	2.52	0.02		0.00	0.23		0.00	0.23		3,597.52		0.07	0.07	3,619.42
Office Park	30179	0.33	2.96	2.49	0.02		0.00	0.22		0.00	0.22		3,550.47		0.07	0.07	3,572.07
Strip Mall	3664.34	0.04	0.36	0.30	0.00		0.00	0.03		0.00	0.03		431.10		0.01	0.01	433.72
Total		0.98	8.69	6.32	0.06		0.00	0.67		0.00	0.67		10,610.23		0.21	0.21	10,674.80

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	25.7647	0.28	2.37	1.01	0.02		0.00	0.19		0.00	0.19		3,031.14		0.06	0.06	3,049.59
General Light Industry	30.579	0.33	3.00	2.52	0.02		0.00	0.23		0.00	0.23		3,597.52		0.07	0.07	3,619.42
Office Park	30.179	0.33	2.96	2.49	0.02		0.00	0.22		0.00	0.22		3,550.47		0.07	0.07	3,572.07
Strip Mall	3.66434	0.04	0.36	0.30	0.00		0.00	0.03		0.00	0.03		431.10		0.01	0.01	433.72
Total		0.98	8.69	6.32	0.06		0.00	0.67		0.00	0.67		10,610.23		0.21	0.21	10,674.80

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	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Unmitigated	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
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	lb/day										lb/day					
Architectural Coating	13.98					0.00	0.00		0.00	0.00						0.00
Consumer Products	53.33					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,649.41		0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

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	lb/day										lb/day					
Architectural Coating	13.98					0.00	0.00		0.00	0.00						0.00
Consumer Products	53.33					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,649.41		0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

**Operation_Existing 2035
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	815.346	1000sqft
General Light Industry	505.037	1000sqft
Apartments Mid Rise	739	Dwelling Unit
Strip Mall	633.878	1000sqft

1.2 Other Project Characteristics

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

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on total acreage of the Plan.
- Vehicle Trips - Based on reduced weekday trip rate provided by TIS.
- Vehicle Emission Factors - Based on proposed project.
- Vehicle Emission Factors - Based on the proposed project.
- Vehicle Emission Factors - Based on the proposed project.
- Woodstoves - The vast majority of dwelling units within the plan boundaries are either mobile-home or multifamily dwelling units.
- Energy Use - Assumes existing buildings were built to meet 2005 Building Code standards.
- Water And Wastewater - Indoor and outdoor values based on water and wastewater values stated in the DEIR. Assumes existing land uses do not utilize septic
- Energy Mitigation -
- Solid Waste - Based on solid waste generation calculated in the DEIR.

2.0 Emissions Summary

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	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67		10,610.23		0.20	0.19	10,674.80
Mobile	46.93	31.80	345.82	1.56	203.87	6.74	210.62	2.77	5.55	8.31		105,676.79		3.45		105,749.20
Total	118.48	41.20	413.68	1.61	203.87	6.74	212.62	2.77	5.55	10.30	0.00	132,047.55		4.06	0.48	132,281.98

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	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67		10,610.23		0.20	0.19	10,674.80
Mobile	46.93	31.80	345.82	1.56	203.87	6.74	210.62	2.77	5.55	8.31		105,676.79		3.45		105,749.20
Total	118.48	41.20	413.68	1.61	203.87	6.74	212.62	2.77	5.55	10.30	0.00	132,047.55		4.06	0.48	132,281.98

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	46.93	31.80	345.82	1.56	203.87	6.74	210.62	2.77	5.55	8.31		105,676.79		3.45		105,749.20
Unmitigated	46.93	31.80	345.82	1.56	203.87	6.74	210.62	2.77	5.55	8.31		105,676.79		3.45		105,749.20
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	4,057.11	4,404.44	3731.95	13,523,056	13,523,056
General Light Industry	712.10	136.36	70.71	1,815,976	1,815,976
Office Park	3,783.21	546.28	252.76	9,433,126	9,433,126
Strip Mall	13,900.94	13,184.66	6406.51	29,242,815	29,242,815
Total	22,453.36	18,271.74	10,463.92	54,014,972	54,014,972

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
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
Office Park	8.90	13.30	7.40	33.00	48.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67			10,610.23	0.20	0.19	10,674.80
NaturalGas Unmitigated	0.97	8.69	6.32	0.05		0.00	0.67		0.00	0.67			10,610.23	0.20	0.19	10,674.80
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

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU	lb/day										lb/day					
Apartments Mid Rise	25764.7	0.28	2.37	1.01	0.02		0.00	0.19		0.00	0.19			3,031.14	0.06	0.06	3,049.59
General Light Industry	30579	0.33	3.00	2.52	0.02		0.00	0.23		0.00	0.23			3,597.52	0.07	0.07	3,619.42
Office Park	30179	0.33	2.96	2.49	0.02		0.00	0.22		0.00	0.22			3,550.47	0.07	0.07	3,572.07
Strip Mall	3664.34	0.04	0.36	0.30	0.00		0.00	0.03		0.00	0.03			431.10	0.01	0.01	433.72
Total		0.98	8.69	6.32	0.06		0.00	0.67		0.00	0.67			10,610.23	0.21	0.21	10,674.80

Mitigated

	Natural Gas 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	25,7647	0.28	2.37	1.01	0.02		0.00	0.19		0.00	0.19		3,031.14		0.06	0.06	3,049.59
General Light Industry	30,579	0.33	3.00	2.52	0.02		0.00	0.23		0.00	0.23		3,597.52		0.07	0.07	3,619.42
Office Park	30,179	0.33	2.96	2.49	0.02		0.00	0.22		0.00	0.22		3,550.47		0.07	0.07	3,572.07
Strip Mall	3,66434	0.04	0.36	0.30	0.00		0.00	0.03		0.00	0.03		431.10		0.01	0.01	433.72
Total		0.98	8.69	6.32	0.06		0.00	0.67		0.00	0.67		10,610.23		0.21	0.21	10,674.80

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Unmitigated	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	13.98					0.00	0.00		0.00	0.00						0.00
Consumer Products	53.33					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,648.41		0.30	0.29	15,744.85
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

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	lb/day										lb/day					
Architectural Coating	13.98					0.00	0.00		0.00	0.00						0.00
Consumer Products	53.33					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,649.41		0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	70.58	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Operation_Proposed_Existing
Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	739	Dwelling Unit
Strip Mall	399.261	1000sqft

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 - Based on proposed project. Accounts for remaining existing land uses.
- Vehicle Trips - Based on reduced weekday trip rate derived from the TIS.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Woodstoves - Assumes no woodburning devices in accordance with SCAQMD Rule 445.
- Water And Wastewater - Based on water generation values found in the DEIR.
- Mobile Land Use Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Energy Use - Assumes existing buildings were built to meet 2005 Building Code standards.
- Solid Waste - Based on solid waste generation values calculated in the DEIR.

2.0 Emissions Summary

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										M1/yr					
Area	5.25	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
Energy	0.05	0.45	0.21	0.00		0.00	0.04		0.00	0.04	0.00	2,757.28	2,757.28	0.11	0.05	2,774.47
Mobile	3.85	2.67	31.27	0.14	16.24	0.59	16.84	0.24	0.49	0.73	0.00	8,634.40	8,634.40	0.28	0.00	8,640.23
Waste						0.00	0.00		0.00	0.00	526.96	0.00	526.96	31.14	0.00	1,180.96
Water						0.00	0.00		0.00	0.00	0.00	428.28	428.28	0.02	0.07	450.72
Total	9.15	3.25	42.69	0.14	16.24	0.59	16.98	0.24	0.49	0.87	526.96	12,370.73	12,897.69	31.58	0.13	13,600.75

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										M1/yr					
Area	5.25	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
Energy	0.05	0.45	0.21	0.00		0.00	0.04		0.00	0.04	0.00	2,757.28	2,757.28	0.11	0.05	2,774.47
Mobile	3.85	2.67	31.27	0.14	16.24	0.59	16.84	0.24	0.49	0.73	0.00	8,634.40	8,634.40	0.28	0.00	8,640.23
Waste						0.00	0.00		0.00	0.00	526.96	0.00	526.96	31.14	0.00	1,180.96
Water						0.00	0.00		0.00	0.00	0.00	428.28	428.28	0.02	0.07	450.72
Total	9.15	3.25	42.69	0.14	16.24	0.59	16.98	0.24	0.49	0.87	526.96	12,370.73	12,897.69	31.58	0.13	13,600.75

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										M1/yr					
Mitigated	3.85	2.67	31.27	0.14	16.24	0.59	16.84	0.24	0.49	0.73	0.00	8,634.40	8,634.40	0.28	0.00	8,640.23
Unmitigated	3.85	2.67	31.27	0.14	16.24	0.59	16.84	0.24	0.49	0.73	0.00	8,634.40	8,634.40	0.28	0.00	8,640.23
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	3,584.15	3,894.53	3903.33	11,951,343	11,951,343
Strip Mall	8,508.25	8,069.06	3920.74	17,897,639	17,897,639
Total	12,092.40	11,963.59	7,224.07	29,848,983	29,848,983

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
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

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										M1/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	2,241.43	2,241.43	0.10	0.04	2,255.48
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	2,241.43	2,241.43	0.10	0.04	2,255.48
NaturalGas Mitigated	0.05	0.45	0.21	0.00		0.00	0.04		0.00	0.04	0.00	515.85	515.85	0.01	0.01	518.99
NaturalGas Unmitigated	0.05	0.45	0.21	0.00		0.00	0.04		0.00	0.04	0.00	515.85	515.85	0.01	0.01	518.99
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	8.84825e+006	0.05	0.41	0.17	0.00		0.00	0.03		0.00	0.03	0.00	472.18	472.18	0.01	0.01	475.05
Strip Mall	818485	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	43.68	43.68	0.00	0.00	43.94
Total		0.05	0.45	0.20	0.00		0.00	0.03		0.00	0.03	0.00	515.86	515.86	0.01	0.01	518.99

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	8.84825e+006	0.05	0.41	0.17	0.00		0.00	0.03		0.00	0.03	0.00	472.18	472.18	0.01	0.01	475.05
Strip Mall	818485	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	43.68	43.68	0.00	0.00	43.94
Total		0.05	0.45	0.20	0.00		0.00	0.03		0.00	0.03	0.00	515.86	515.86	0.01	0.01	518.99

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	2.59539e+006					754.92	0.03	0.01	759.65	
Strip Mall	5.11054e+006					1,486.51	0.07	0.03	1,495.82	
Total						2,241.43	0.10	0.04	2,255.47	

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e	
Land Use	kWh	tons/yr					Mt/yr			
Apartments Mid Rise	2.59539e+006					754.92	0.03	0.01	759.65	
Strip Mall	5.11054e+006					1,486.51	0.07	0.03	1,495.82	
Total						2,241.43	0.10	0.04	2,255.47	

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	tons/yr										M1/yr					
Mitigated	5.25	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
Unmitigated	5.25	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.77	550.77	0.03	0.01	554.37
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										M1/yr					
Architectural Coating	0.75					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	4.11					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.05	0.00	0.00	0.00		0.00	0.04		0.00	0.04	0.00	532.38	532.38	0.01	0.01	535.62
Landscaping	0.33	0.13	11.21	0.00		0.00	0.06		0.00	0.06	0.00	18.38	18.38	0.02	0.00	18.75
Total	5.24	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.76	550.76	0.03	0.01	554.37

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										M1/yr					
Architectural Coating	0.75					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	4.11					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.05	0.00	0.00	0.00		0.00	0.04		0.00	0.04	0.00	532.38	532.38	0.01	0.01	535.62
Landscaping	0.33	0.13	11.21	0.00		0.00	0.06		0.00	0.06	0.00	18.38	18.38	0.02	0.00	18.75
Total	5.24	0.13	11.21	0.00		0.00	0.10		0.00	0.10	0.00	550.76	550.76	0.03	0.01	554.37

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				Mt/yr			
Mitigated					428.28	0.02	0.07	450.72
Unmitigated					428.28	0.02	0.07	450.72
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	81.3012 / 32.7012					413.60	0.02	0.07	435.27
Strip Mall	2.88612 / 1.16086					14.68	0.00	0.00	15.45
Total						428.28	0.02	0.07	450.72

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				Mt/yr			
Apartments Mid Rise	81.3012 / 32.7012					413.60	0.02	0.07	435.27
Strip Mall	2.88612 / 1.16086					14.68	0.00	0.00	15.45
Total						428.28	0.02	0.07	450.72

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					526.96	31.14	0.00	1,180.96
Unmitigated					526.96	31.14	0.00	1,180.96
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	1649					334.73	19.78	0.00	750.16
Strip Mall	947					192.23	11.36	0.00	430.81
Total						526.96	31.14	0.00	1,180.97

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				Mt/yr			
Apartments Mid Rise	1649					334.73	19.78	0.00	750.16
Strip Mall	947					192.23	11.36	0.00	430.81
Total						526.96	31.14	0.00	1,180.97

9.0 Vegetation

Operation_Proposed_Existing
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	739	Dwelling Unit
Strip Mall	399,261	1000sqft

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 - Based on proposed project. Accounts for remaining existing land uses.
- Vehicle Trips - Based on reduced weekday trip rate derived from the TIS.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Woodstoves - Assumes no woodburning devices in accordance with SCAQMD Rule 445.
- Water And Wastewater - Based on water generation values found in the DEIR.
- Mobile Land Use Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Energy Use - Assumes existing buildings were built to meet 2005 Building Code standards.
- Solid Waste - Based on solid waste generation values calculated in the DEIR.

2.0 Emissions Summary

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	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
Mobile	23.09	15.96	189.94	0.87	107.48	3.56	111.04	1.46	2.93	4.39		59,562.37		1.87		59,601.62
Total	53.30	19.12	252.62	0.89	107.48	3.56	112.57	1.46	2.93	5.91	0.00	78,438.69		2.34	0.35	78,594.35

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	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
Mobile	23.09	15.96	189.94	0.87	107.48	3.56	111.04	1.46	2.93	4.39		59,562.37		1.87		59,601.62
Total	53.30	19.12	252.62	0.89	107.48	3.56	112.57	1.46	2.93	5.91	0.00	78,438.69		2.34	0.35	78,594.35

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	23.09	15.96	189.94	0.87	107.48	3.56	111.04	1.46	2.93	4.39		59,562.37		1.87		59,601.62
Unmitigated	23.09	15.96	189.94	0.87	107.48	3.56	111.04	1.46	2.93	4.39		59,562.37		1.87		59,601.62
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	3,584.15	3,894.53	3303.33	11,951,343	11,951,343
Strip Mall	8,508.25	8,069.06	3920.74	17,897,639	17,897,639
Total	12,092.40	11,963.59	7,224.07	29,848,983	29,848,983

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
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
NaturalGas Unmitigated	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
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

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU	lb/day										lb/day					
Apartments Mid Rise	24241.8	0.26	2.23	0.95	0.01		0.00	0.18		0.00	0.18		2,851.98		0.05	0.05	2,869.33
Strip Mall	2242.42	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.81		0.01	0.00	265.42
Total		0.28	2.45	1.13	0.01		0.00	0.20		0.00	0.20		3,115.79		0.06	0.05	3,134.75

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	24.2418	0.26	2.23	0.95	0.01		0.00	0.18		0.00	0.18		2,851.98		0.05	0.05	2,869.33
Strip Mall	2.24242	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.81		0.01	0.00	265.42
Total		0.28	2.45	1.13	0.01		0.00	0.20		0.00	0.20		3,115.79		0.06	0.05	3,134.75

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	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Unmitigated	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
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	lb/day										lb/day					
Architectural Coating	4.12					0.00	0.00		0.00	0.00						0.00
Consumer Products	22.54					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,649.41		0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	29.93	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

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	lb/day										lb/day					
Architectural Coating	4.12					0.00	0.00		0.00	0.00						0.00
Consumer Products	22.54					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,649.41		0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	29.93	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Operation_Proposed_Existing
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	739	Dwelling Unit
Strip Mall	399,261	1000sqft

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 - Based on proposed project. Accounts for remaining existing land uses.
- Vehicle Trips - Based on reduced weekday trip rate derived from the TIS.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Woodstoves - Assumes no woodburning devices in accordance with SCAQMD Rule 445.
- Water And Wastewater - Based on water generation values found in the DEIR.
- Mobile Land Use Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Energy Use - Assumes existing buildings were built to meet 2005 Building Code standards.
- Solid Waste - Based on solid waste generation values calculated in the DEIR.

2.0 Emissions Summary

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	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
Mobile	24.96	16.89	183.36	0.82	107.48	3.56	111.05	1.46	2.93	4.39		55,760.17		1.82		55,798.43
Total	55.17	20.05	246.04	0.84	107.48	3.56	112.58	1.46	2.93	5.91	0.00	74,636.49		2.29	0.35	74,791.16

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	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98
Energy	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
Mobile	24.96	16.89	183.36	0.82	107.48	3.56	111.05	1.46	2.93	4.39		55,760.17		1.82		55,798.43
Total	55.17	20.05	246.04	0.84	107.48	3.56	112.58	1.46	2.93	5.91	0.00	74,636.49		2.29	0.35	74,791.16

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	24.96	16.89	183.36	0.82	107.48	3.56	111.05	1.46	2.93	4.39		55,760.17		1.82		55,798.43
Unmitigated	24.96	16.89	183.36	0.82	107.48	3.56	111.05	1.46	2.93	4.39		55,760.17		1.82		55,798.43
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	3,584.15	3,894.53	3303.33	11,951,343	11,951,343
Strip Mall	8,508.25	8,069.06	3920.74	17,897,639	17,897,639
Total	12,092.40	11,963.59	7,224.07	29,848,983	29,848,983

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
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
NaturalGas Mitigated	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
NaturalGas Unmitigated	0.29	2.45	1.14	0.02		0.00	0.20		0.00	0.20		3,115.79		0.06	0.06	3,134.75
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

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
kBTU	lb/day											lb/day					
Apartments Mid Rise	24241.8	0.26	2.23	0.95	0.01		0.00	0.18		0.00	0.18		2,851.98		0.05	0.05	2,869.33
Strip Mall	2242.42	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.81		0.01	0.00	265.42
Total		0.28	2.45	1.13	0.01		0.00	0.20		0.00	0.20		3,115.79		0.06	0.05	3,134.75

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	24,2418	0.26	2.23	0.95	0.01		0.00	0.18		0.00	0.18			2,851.98	0.05	0.05	2,869.33
Strip Mall	2,24242	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02			263.81	0.01	0.00	265.42
Total		0.28	2.45	1.13	0.01		0.00	0.20		0.00	0.20			3,115.79	0.06	0.05	3,134.75

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	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00		15,760.53	0.41	0.29	15,857.98
Unmitigated	29.92	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00		15,760.53	0.41	0.29	15,857.98
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	lb/day										lb/day					
Architectural Coating	4.12					0.00	0.00		0.00	0.00						0.00
Consumer Products	22.54					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00		15,649.41	0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34			111.12	0.11		113.33
Total	29.93	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00		15,760.53	0.41	0.29	15,857.98

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	lb/day										lb/day					
Architectural Coating	4.12					0.00	0.00		0.00	0.00						0.00
Consumer Products	22.54					0.00	0.00		0.00	0.00						0.00
Hearth	1.43	0.00	0.08	0.00		0.00	0.99		0.00	0.98	0.00	15,649.41		0.30	0.29	15,744.65
Landscaping	1.84	0.71	61.46	0.00		0.00	0.34		0.00	0.34		111.12		0.11		113.33
Total	29.93	0.71	61.54	0.00		0.00	1.33		0.00	1.32	0.00	15,760.53		0.41	0.29	15,857.98

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

**Operation_Proposed_New
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	375	1000sqft
General Light Industry	195	1000sqft
Apartments Mid Rise	3884	Dwelling Unit
Strip Mall	998.72	1000sqft

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 - Based on proposed project.
- Vehicle Trips - Based on reduced weekday trip rate derived from the TIS.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Woodstoves - Assumes no woodburning devices in accordance with SCAQMD Rule 445.
- Water And Wastewater - Assumes development projects utilizing septic systems.
- Mobile Land Use Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Energy Use -
- Solid Waste - Based on solid waste generation as calculated in the DEIR.

2.0 Emissions Summary

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	25.08	0.68	58.91	0.00		0.00	0.52		0.00	0.52	0.00	2,894.69	2,894.69	0.15	0.05	2,913.64
Energy	0.31	2.67	1.35	0.02		0.00	0.21		0.00	0.21	0.00	13,137.82	13,137.82	0.51	0.23	13,219.61
Mobile	14.26	9.93	116.80	0.53	61.47	2.24	63.71	0.92	1.84	2.76	0.00	32,607.35	32,607.35	1.05	0.00	32,629.32
Waste						0.00	0.00		0.00	0.00	2,515.26	0.00	2,515.26	148.65	0.00	5,636.86
Water						0.00	0.00		0.00	0.00	0.00	2,253.73	2,253.73	0.12	0.38	2,374.38
Total	39.65	13.28	177.06	0.55	61.47	2.24	64.44	0.92	1.84	3.49	2,515.26	50,893.59	53,408.85	150.48	0.66	56,773.81

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	tons/yr										MT/yr					
Area	25.08	0.68	58.91	0.00		0.00	0.52		0.00	0.52	0.00	2,894.69	2,894.69	0.15	0.05	2,913.64
Energy	0.25	2.12	1.08	0.01		0.00	0.17		0.00	0.17	0.00	11,955.54	11,955.54	0.48	0.21	12,030.03
Mobile	14.26	9.93	116.80	0.53	61.47	2.24	63.71	0.92	1.84	2.76	0.00	32,607.35	32,607.35	1.05	0.00	32,629.32
Waste						0.00	0.00		0.00	0.00	2,515.26	0.00	2,515.26	148.65	0.00	5,636.86
Water						0.00	0.00		0.00	0.00	0.00	1,884.65	1,884.65	0.10	0.31	1,981.68
Total	39.59	12.73	176.79	0.54	61.47	2.24	64.40	0.92	1.84	3.45	2,515.26	49,342.23	51,857.49	150.43	0.57	55,191.53

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	14.26	9.93	116.80	0.53	61.47	2.24	63.71	0.92	1.84	2.76	0.00	32,607.35	32,607.35	1.05	0.00	32,629.32
Unmitigated	14.26	9.93	116.80	0.53	61.47	2.24	63.71	0.92	1.84	2.76	0.00	32,607.35	32,607.35	1.05	0.00	32,629.32
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	18,837.40	20,468.68	17,361.48	62,813,284	62,813,284
General Light Industry	271.05	50.70	27.30	690,828	690,828
Office Park	1,875.00	270.00	123.75	4,674,082	4,674,082
Strip Mall	21,282.72	20,184.13	9,807.43	44,769,538	44,769,538
Total	42,266.17	40,973.51	27,319.96	112,947,733	112,947,733

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
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
Office Park	8.90	13.30	7.40	33.00	48.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	9,526.34	9,526.34	0.43	0.16	9,586.05
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	10,083.00	10,083.00	0.46	0.17	10,146.20
NaturalGas Mitigated	0.25	2.12	1.08	0.01		0.00	0.17		0.00	0.17	0.00	2,429.20	2,429.20	0.05	0.04	2,443.98
NaturalGas Unmitigated	0.31	2.67	1.35	0.02		0.00	0.21		0.00	0.21	0.00	3,054.82	3,054.82	0.06	0.06	3,073.41
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	4.65042e+007	0.25	2.14	0.91	0.01		0.00	0.17		0.00	0.17	0.00	2,481.64	2,481.64	0.05	0.05	2,496.75
General Light Industry	4.21936e+006	0.02	0.21	0.17	0.00		0.00	0.02		0.00	0.02	0.00	225.18	225.18	0.00	0.00	226.56
Office Park	4.47375e+006	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02	0.00	238.74	238.74	0.00	0.00	240.19
Strip Mall	2.04739e+006	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01	0.00	109.26	109.26	0.00	0.00	109.92
Total		0.30	2.67	1.34	0.01		0.00	0.22		0.00	0.22	0.00	3,054.82	3,054.82	0.05	0.05	3,073.42

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	3.68007e+007	0.20	1.70	0.72	0.01		0.00	0.14		0.00	0.14	0.00	1,963.83	1,963.83	0.04	0.04	1,975.78
General Light Industry	3.49928e+006	0.02	0.17	0.14	0.00		0.00	0.01		0.00	0.01	0.00	186.73	186.73	0.00	0.00	187.87
Office Park	3.42375e+006	0.02	0.17	0.14	0.00		0.00	0.01		0.00	0.01	0.00	182.70	182.70	0.00	0.00	183.82
Strip Mall	1.7977e+006	0.01	0.09	0.07	0.00		0.00	0.01		0.00	0.01	0.00	95.93	95.93	0.00	0.00	96.52
Total		0.25	2.13	1.07	0.01		0.00	0.17		0.00	0.17	0.00	2,429.19	2,429.19	0.04	0.04	2,443.99

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	1.36407e+007					3,967.69	0.18	0.07	3,992.55
General Light Industry	1.8018e+006					524.09	0.02	0.01	527.38
Office Park	6.43875e+006					1,872.84	0.08	0.03	1,884.58
Strip Mall	1.27836e+007					3,718.38	0.17	0.06	3,741.69
Total						10,083.00	0.45	0.17	10,146.20

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	1.33356e+007					3,878.94	0.18	0.07	3,903.25
General Light Industry	1.70479e+006					495.87	0.02	0.01	498.98
Office Park	5.82094e+006					1,693.14	0.08	0.03	1,703.75
Strip Mall	1.18896e+007					3,455.33	0.16	0.06	3,480.06
Total						9,526.34	0.44	0.17	9,586.04

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	tons/yr											MT/yr				
Mitigated	25.08	0.68	58.91	0.00		0.00	0.52		0.00	0.52	0.00	2,894.69	2,894.69	0.15	0.05	2,913.64
Unmitigated	25.08	0.68	58.91	0.00		0.00	0.52		0.00	0.52	0.00	2,894.69	2,894.69	0.15	0.05	2,913.64
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	3.33					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	19.70					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.28	0.00	0.02	0.00		0.00	0.20		0.00	0.19	0.00	2,798.08	2,798.08	0.05	0.05	2,815.11
Landscaping	1.76	0.68	58.90	0.00		0.00	0.33		0.00	0.33	0.00	96.61	96.61	0.09	0.00	98.54
Total	25.07	0.68	58.92	0.00		0.00	0.53		0.00	0.52	0.00	2,894.69	2,894.69	0.14	0.05	2,913.65

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	3.33					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	19.70					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.28	0.00	0.02	0.00		0.00	0.20		0.00	0.19	0.00	2,798.08	2,798.08	0.05	0.05	2,815.11
Landscaping	1.76	0.68	58.90	0.00		0.00	0.33		0.00	0.33	0.00	96.61	96.61	0.09	0.00	98.54
Total	25.07	0.68	58.92	0.00		0.00	0.53		0.00	0.52	0.00	2,894.69	2,894.69	0.14	0.05	2,913.65

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					1,884.65	0.10	0.31	1,981.68
Unmitigated					2,253.73	0.12	0.38	2,374.38
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	427,299 / 177,099					2,195.47	0.12	0.37	2,312.99
General Light Industry	1,403,553 / 0					5.35	0.00	0.00	5.73
Office Park	2,719,075 / 1,282,999					14.44	0.00	0.00	15.19
Strip Mall	7,219,942 / 3,416,922					38.47	0.00	0.01	40.46
Total						2,253.73	0.12	0.38	2,374.37

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	341.839 / 166.236					1,835.92	0.10	0.30	1,930.45
General Light Industry	1.12767 / 0					4.28	0.00	0.00	4.58
Office Park	2.1686 / 1.20472					12.13	0.00	0.00	12.73
Strip Mall	5.77553 / 3.20849					32.31	0.00	0.01	33.91
Total						1,884.64	0.10	0.31	1,981.67

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					2,515.26	148.65	0.00	5,636.86
Unmitigated					2,515.26	148.65	0.00	5,636.86
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	8669					1,759.73	104.00	0.00	3,943.67
General Light Industry	463					93.98	5.55	0.00	210.63
Office Park	890					180.66	10.68	0.00	404.88
Strip Mall	2369					480.89	28.42	0.00	1,077.70
Total						2,515.26	148.65	0.00	5,636.88

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	8669					1,759.73	104.00	0.00	3,943.67
General Light Industry	463					93.98	5.55	0.00	210.63
Office Park	890					180.66	10.68	0.00	404.88
Strip Mall	2369					480.89	28.42	0.00	1,077.70
Total						2,515.26	148.65	0.00	5,636.88

9.0 Vegetation

Operation_Proposed_New
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	375	1000sqft
General Light Industry	195	1000sqft
Apartments Mid Rise	3884	Dwelling Unit
Strip Mall	998.72	1000sqft

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 - Based on proposed project.
- Vehicle Trips - Based on reduced weekday trip rate derived from the TIS.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Woodstoves - Assumes no woodburning devices in accordance with SCAQMD Rule 445.
- Water And Wastewater - Assumes development projects utilizing septic systems.
- Mobile Land Use Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Energy Use -
- Solid Waste - Based on solid waste generation as calculated in the DEIR.

2.0 Emissions Summary

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	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
Energy	1.69	14.63	7.42	0.09		0.00	1.17		0.00	1.17		18,451.30		0.35	0.34	18,563.59
Mobile	86.07	59.86	718.44	3.33	410.73	13.54	424.27	5.58	11.14	16.71		227,180.15		7.11		227,329.51
Total	231.18	78.20	1,049.29	3.44	410.73	13.54	432.44	5.58	11.14	24.82	0.00	328,464.86		9.59	1.85	329,238.72

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	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
Energy	1.34	11.63	5.92	0.07		0.00	0.93		0.00	0.93		14,672.51		0.28	0.27	14,761.81
Mobile	86.07	59.86	718.44	3.33	410.73	13.54	424.27	5.58	11.14	16.71		227,180.15		7.11		227,329.51
Total	230.83	75.20	1,047.79	3.42	410.73	13.54	432.20	5.58	11.14	24.58	0.00	324,686.07		9.52	1.78	325,436.94

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	86.07	59.86	718.44	3.33	410.73	13.54	424.27	5.58	11.14	16.71		227,180.15		7.11		227,329.51
Unmitigated	86.07	59.86	718.44	3.33	410.73	13.54	424.27	5.58	11.14	16.71		227,180.15		7.11		227,329.51
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	18,837.40	20,468.68	17361.48	62,813,284	62,813,284
General Light Industry	271.05	50.70	27.30	690,828	690,828
Office Park	1,875.00	270.00	123.75	4,674,082	4,674,082
Strip Mall	21,282.72	20,184.13	9807.43	44,769,538	44,769,538
Total	42,266.17	40,973.51	27,319.96	112,947,733	112,947,733

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
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
Office Park	8.90	13.30	7.40	33.00	48.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	1.34	11.63	5.92	0.07		0.00	0.93		0.00	0.93			14,672.51	0.28	0.27	14,761.81
NaturalGas Unmitigated	1.69	14.63	7.42	0.09		0.00	1.17		0.00	1.17			18,451.30	0.35	0.34	18,563.59
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

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU	lb/day										lb/day					
Apartments Mid Rise	127409	1.37	11.74	5.00	0.07		0.00	0.95		0.00	0.95			14,989.27	0.29	0.27	15,080.50
General Light Industry	11561.1	0.12	1.13	0.95	0.01		0.00	0.09		0.00	0.09			1,360.13	0.03	0.02	1,368.41
Office Park	12256.8	0.13	1.20	1.01	0.01		0.00	0.09		0.00	0.09			1,441.98	0.03	0.03	1,450.76
Strip Mall	5609.25	0.06	0.55	0.46	0.00		0.00	0.04		0.00	0.04			659.91	0.01	0.01	663.93
Total		1.68	14.62	7.42	0.09		0.00	1.17		0.00	1.17			18,451.29	0.36	0.33	18,563.60

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	100.824	1.09	9.29	3.95	0.06		0.00	0.75		0.00	0.75		11,861.64		0.23	0.22	11,933.83
General Light Industry	9.58705	0.10	0.94	0.79	0.01		0.00	0.07		0.00	0.07		1,127.89		0.02	0.02	1,134.75
Office Park	9.38014	0.10	0.92	0.77	0.01		0.00	0.07		0.00	0.07		1,103.55		0.02	0.02	1,110.26
Strip Mall	4.9252	0.05	0.48	0.41	0.00		0.00	0.04		0.00	0.04		579.44		0.01	0.01	582.96
Total		1.34	11.63	5.92	0.08		0.00	0.93		0.00	0.93		14,672.52		0.28	0.27	14,761.80

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	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
Unmitigated	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
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	18.27					0.00	0.00		0.00	0.00						0.00
Consumer Products	107.96					0.00	0.00		0.00	0.00						0.00
Hearth	7.54	0.00	0.41	0.00		0.00	5.21		0.00	5.15	0.00	82,249.41		1.58	1.51	82,749.97
Landscaping	9.65	3.71	323.02	0.02		0.00	1.79		0.00	1.79		584.00		0.56		595.65
Total	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.14	1.51	83,345.62

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	18.27					0.00	0.00		0.00	0.00							0.00
Consumer Products	107.96					0.00	0.00		0.00	0.00							0.00
Hearth	7.54	3.00	0.41	0.00		0.00	5.21		0.00	5.15	0.00	82,249.41		1.58	1.51		82,749.97
Landscaping	8.65	3.71	323.02	0.02		0.00	1.73		0.00	1.73		584.00		0.56			595.65
Total	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.14	1.51		83,345.62

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Operation_Proposed_New
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	375	1000sqft
General Light Industry	195	1000sqft
Apartments Mid Rise	3884	Dwelling Unit
Strip Mall	998.72	1000sqft

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 - Based on proposed project.
- Vehicle Trips - Based on reduced weekday trip rate derived from the TIS.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Vehicle Emission Factors - Based on land use types of proposed project.
- Woodstoves - Assumes no woodburning devices in accordance with SCAQMD Rule 445.
- Water And Wastewater - Assumes development projects utilizing septic systems.
- Mobile Land Use Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Energy Use -
- Solid Waste - Based on solid waste generation as calculated in the DEIR.

2.0 Emissions Summary

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	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
Energy	1.69	14.63	7.42	0.09		0.00	1.17		0.00	1.17		18,451.30		0.35	0.34	18,563.99
Mobile	93.39	63.43	691.15	3.15	410.73	13.55	424.28	5.58	11.14	16.72		212,655.04		6.93		212,800.49
Total	238.50	81.77	1,022.00	3.26	410.73	13.55	432.45	5.58	11.14	24.83	0.00	313,939.75		9.41	1.85	314,709.70

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	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
Energy	1.34	11.63	5.92	0.07		0.00	0.93		0.00	0.93		14,672.51		0.28	0.27	14,761.81
Mobile	93.39	63.43	691.15	3.15	410.73	13.55	424.28	5.58	11.14	16.72		212,655.04		6.93		212,800.49
Total	238.15	78.77	1,020.50	3.24	410.73	13.55	432.21	5.58	11.14	24.59	0.00	310,160.96		9.34	1.78	310,907.92

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	93.39	63.43	691.15	3.15	410.73	13.55	424.28	5.58	11.14	16.72		212,655.04		6.93		212,800.49
Unmitigated	93.39	63.43	691.15	3.15	410.73	13.55	424.28	5.58	11.14	16.72		212,655.04		6.93		212,800.49
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	18,837.40	20,468.68	17361.48	62,813,284	62,813,284
General Light Industry	271.05	50.70	27.30	690,828	690,828
Office Park	1,875.00	270.00	123.75	4,674,082	4,674,082
Strip Mall	21,282.72	20,184.13	9807.43	44,769,538	44,769,538
Total	42,266.17	40,973.51	27,319.96	112,947,733	112,947,733

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
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
Office Park	8.90	13.30	7.40	33.00	48.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	1.34	11.63	5.92	0.07	0.00	0.93	0.00	0.00	0.93			14,672.51	0.28	0.27		14,761.81
NaturalGas Unmitigated	1.69	14.63	7.42	0.09	0.00	1.17	0.00	0.00	1.17			18,451.30	0.35	0.34		18,563.59
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

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU	lb/day										lb/day					
Apartments Mid Rise	127409	1.37	11.74	5.00	0.07	0.00	0.95	0.00	0.00	0.95			14,989.27	0.29	0.27		15,080.50
General Light Industry	11561.1	0.12	1.13	0.95	0.01	0.00	0.09	0.00	0.00	0.09			1,360.13	0.03	0.02		1,368.41
Office Park	12256.8	0.13	1.20	1.01	0.01	0.00	0.09	0.00	0.00	0.09			1,441.98	0.03	0.03		1,450.76
Strip Mall	5609.25	0.06	0.55	0.46	0.00	0.00	0.04	0.00	0.00	0.04			659.91	0.01	0.01		663.93
Total		1.68	14.62	7.42	0.09		0.00	1.17		0.00	1.17		18,451.29	0.36	0.33		18,563.60

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	100.824	1.09	9.29	3.95	0.06		0.00	0.75		0.00	0.75		11,861.64		0.23	0.22	11,933.83
General Light Industry	9.58705	0.10	0.94	0.79	0.01		0.00	0.07		0.00	0.07		1,127.89		0.02	0.02	1,134.75
Office Park	9.38014	0.10	0.92	0.77	0.01		0.00	0.07		0.00	0.07		1,103.55		0.02	0.02	1,110.26
Strip Mall	4.9252	0.05	0.48	0.41	0.00		0.00	0.04		0.00	0.04		579.44		0.01	0.01	582.96
Total		1.34	11.63	5.92	0.08		0.00	0.93		0.00	0.93		14,672.52		0.28	0.27	14,761.80

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	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
Unmitigated	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.13	1.51	83,345.62
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	18.27					0.00	0.00		0.00	0.00						0.00
Consumer Products	107.96					0.00	0.00		0.00	0.00						0.00
Hearth	7.54	0.00	0.41	0.00		0.00	5.21		0.00	5.15	0.00	82,249.41		1.58	1.51	82,749.97
Landscaping	9.65	3.71	323.02	0.02		0.00	1.79		0.00	1.79		584.00		0.56		595.65
Total	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.14	1.51	83,345.62

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	18.27					0.00	0.00		0.00	0.00						0.00
Consumer Products	107.96					0.00	0.00		0.00	0.00						0.00
Hearth	7.54	0.00	0.41	0.00		0.00	5.21		0.00	5.15	0.00	82,249.41		1.58	1.51	82,749.97
Landscaping	9.65	3.71	323.02	0.02		0.00	1.79		0.00	1.79		584.00		0.56		595.65
Total	143.42	3.71	323.43	0.02		0.00	7.00		0.00	6.94	0.00	82,833.41		2.14	1.51	83,345.62

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

CalEEMod Land Use Inputs - Existing

Type	LandUseUnitA mount	LandUseSizeM etric	LotAcreage	LandUseSquareFee t
Residential	739	DU	260.14	default
Retail (Strip Mall)	633.878	1000bsf	14.55	633,878
Service (Office Park)	815.346	1000bsf	18.72	815,346
Other (General Light Industry)	505.037	1000bsf	11.59	505,037
			305.00	acre

Project Location: Orange County
 Climate Zone: 8
 Operation Year: 2035
 Land Use Setting: Urban
 Utility Company: SCE
 Source Receptor Area: 17

Trip Generation:

Residential

739.00 dwelling units (DU)
 5.49 trips/DU
 4,054 Average Daily Trips (ADT)

Retail

633.88 1000bsf
 21.93 trips/1000bsf
 13,899 Average Daily Trips (ADT)

Service

815.35 1000bsf
 4.64 trips/1000bsf
 3,780 Average Daily Trips (ADT)

Other

505.04 1000bsf
 1.41 trips/1000bsf
 714 Average Daily Trips (ADT)

Total Weekday ADTs: 22,447

Land Use	Calculated Weekday Trip Rate	CalEEMod Weekday Trip Rate	Adjusted Saturday Trip Rate	CalEEMod Saturday Trip Rate	Adjusted Sunday Trip Rate	CalEEMod Sunday Trip Rate
Residential	5.49	6.59	5.96	7.16	5.05	6.07
Retail	21.93	44.32	20.80	42.04	10.11	20.43
Service	4.64	11.42	0.67	1.64	0.31	0.76
Other	1.41	6.97	0.27	1.32	0.14	0.68

Water Use

Total Water Demand*	416,581	gals/day
<i>Total Residential Wastewater</i>	243,900	gals/day
<i>Total Non-Residential Wastewater</i>	34,650	gals/day

Total Outdoor Water 138,031 gals/day

*See Table xx of Section 5-14 of the DEIR

Land Uses	Existing Indoor	Existing Outdoor	Total (gals/day)	Existing Indoor	Existing Outdoor	Total (gals/yr)
	(gals/day)	(gals/day)		(gals/yr)	(gals/yr)	
Residential	243,900	120,861	364,761	89,023,500	44,114,172	133,137,672
Retail	11,239	7,510	18,749	4,102,223	2,741,194	6,843,416
Service	14,456	9,660	24,117	5,276,616	3,525,949	8,802,565
Other	8,955	0	8,955	3,268,412	0	3,268,412
TOTALS	278,550	138,031	416,581	101,670,750	50,381,315	152,052,065

Solid Waste

Residential Units 739 dwelling units
Commercial Square Feet 1,954,261 building square feet

Residential Solid Waste Rate 12.23 lbs per dwelling unit
Commercial Solid Waste Rate 13 lbs per 1,000 building square feet

Land Uses	Solid Waste (lbs/day)	Solid Waste (tons/yr)
Residential	9,038	1,649
Retail	8,240	1,504
Service	10,599	1,934
Other	6,565	1,198
TOTALS	34,443	6,286

Energy Use

Historical Data Enabled

CalEEMod Land Use Inputs -Buildout: Existing

Type	LandUseUnitA mount	LandUseSizeM etric	LotAcreage	LandUseSquareFe et
Residential	739	DU	41.53	default
Retail (Strip Mall)	399,261	1000bsf	9.17	399,261
Service (Office Park)	0	1000bsf	0.00	0
Other (General Light Industry)	0	1000bsf	0.00	0
			50.70	acres

Project Location: Orange County
 Climate Zone: 8
 Operation Year: 2035
 Land Use Setting: Urban
 Utility Company: SCE
 Source Receptor Area: 17

Trip Generation:

Residential

739.00 dwelling units (DU)
 4.85 trips/DU
 3,584 Average Daily Trips (ADT)

Retail

399.261 1000bsf
 21.31 trips/1000bsf
 8,508 Average Daily Trips (ADT)

Total Weekday ADTs: 12,092

Land Use	Calculated Weekday Trip Rate	CalEEMod Weekday Trip Rate	Adjusted Saturday Trip Rate	CalEEMod Saturday Trip Rate	Adjusted Sunday Trip Rate	CalEEMod Sunday Trip Rate
Residential	4.85	6.59	5.27	7.16	4.47	6.07
Retail	21.31	44.32	20.21	42.04	9.82	20.43

Water Use

Residents 2,970
Employees 316

Water Demand Rate 108.9 gallons per day per capita (GCPD)
Residential Wastewater Rate 75 GCPD
Commercial Wastewater Rate 25 GCPD

Total Water Demand 323,423 gals/day
Total Residential Wastewater 222,743 gals/day
Total Non-Residential Wastewater 7,907 gals/day

Total Outdoor Water 92,773 gals/day

Land Uses	Existing Indoor (gals/day)	Existing Outdoor (gals/day)	Total (gals/day)	Existing Indoor (gals/yr)	Existing Outdoor (gals/yr)	Total (gals/yr)
Residential	222,743	89,592	312,335	81,301,210	32,701,161	114,002,371
Retail	7,907	3,180	11,088	2,886,122	1,160,863	4,046,985
Service	0	0	0	0	0	0
Other	0	0	0	0	0	0
TOTALS	230,650	92,773	323,423	84,187,332	33,862,024	118,049,356

Solid Waste

Residential Units 739 dwelling units
Commercial Square Feet 399,261 building square feet

Residential Solid Waste Rate 12.23 lbs per dwelling unit
Commercial Solid Waste Rate 13 lbs per 1,000 building square feet

Land Uses	Solid Waste (lbs/day)	Solid Waste (tons/yr)
Residential	9,038	1,649
Retail	5,190	947
Service	0	0
Other	0	0
TOTALS	14,228	2,597

Energy Use

Historical Data Enabled

CalEEMod Land Use Inputs - Buildout: New

Type	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet
Residential	3,884	DU	218.29	default
Retail	998,721	1000bsf	22.93	998,721
Service	375.00	1000bsf	8.61	375,000
Other	195.00	1000bsf	4.48	195,000
			254.30	acres

Project Location: Orange County
 Climate Zone: 8
 Operation Year: 2035
 Land Use Setting: Urban
 Utility Company: SCE
 Source Receptor Area: 17

Trip Generation:

Residential

3,884.00 dwelling units (DU)
 4.85 trips/DU
 18,836 Average Daily Trips (ADT)

Retail

998.72 1000bsf
 21.31 trips/1000bsf
 21,283 Average Daily Trips (ADT)

Service

375.00 1000bsf
 5.00 trips/1000bsf
 1,875 Average Daily Trips (ADT)

Other

195.00 1000bsf
 1.39 trips/1000bsf
 271 Average Daily Trips (ADT)

Total Average Daily Trips: 42,265

Land Use	Calculated Weekday Trip Rate	CalEEMod	Adjusted	CalEEMod Saturday Trip Rate	Adjusted Sunday Trip Rate	CalEEMod Sunday Trip Rate
		Weekday Trip Rate	Saturday Trip Rate			
Residential	4.85	6.59	5.27	7.16	4.47	6.07
Retail (Strip Mall)	21.31	44.32	20.21	42.04	9.82	20.43
Service (Office Park)	5.00	11.42	0.72	1.64	0.33	0.76
Other (General Light Industry)	1.39	6.97	0.26	1.32	0.14	0.68

Water Use

Residents 15,609
Employees 1,243

Water Demand Rate 108.9 gallons per day per capita (GCPD)
Residential Wastewater Rate 75 GCPD
Commercial Wastewater Rate 25 GCPD

Total Water Demand 1,699,830 gals/day
Total Residential Wastewater 1,170,682 gals/day
Total Non-Residential Wastewater 31,068 gals/day

Total Outdoor Water 498,080 gals/day

Land Uses	Existing Outdoor			Existing Indoor		Total (gals/yr)
	Existing Indoor (gals/day)	(gals/day)	Total (gals/day)	(gals/yr)	(gals/yr)	
Residential	1,170,682	485,204	1,655,886	427,298,915	177,099,453	604,398,368
Retail	19,779	9,361	29,141	7,219,416	3,416,919	10,636,334
Service	7,427	3,515	10,942	2,710,748	1,282,985	3,993,733
Other	3,862	0	3,862	1,409,589	0	1,409,589
TOTALs	1,201,750	498,080	1,699,830	438,638,668	181,799,357	620,438,025

Solid Waste

Residential Units 3,884 dwelling units
Commercial Square Feet 1,568,721 building square feet

Residential Solid Waste Rate 12.23 lbs per dwelling unit
Commercial Solid Waste Rate 13 lbs per 1,000 building square feet

Land Uses	Solid Waste (lbs/day)	Solid Waste (tons/yr)
Residential	47,501	8,669
Retail	12,983	2,369
Service	4,875	890
Other	2,535	463
TOTALs	67,895	12,391

Changes to the CalEEMod Defaults - Fleet Mix

Existing

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix	0.471893	0.076271	0.256365	0.121552	0.022556	0.006376	0.015108	0.017528	0.000675	0.001742	0.004183	0.000914	0.004837	100%
Trips	10,593	1,712	5,755	2,728	506	143	339	393	15	39	94	21	109	22,447
Percent	0.808712			0.121552				0.069736						100%
Proportion	0.583512	0.094312	0.317004	1.000000	0.323448	0.091431	0.216646	0.251348	0.009679	0.024980	0.005172	0.013107	0.069362	
Assumed Mix adjusted with	0.97			0.02				0.01						1
Assumed	0.566006	0.091482	0.307494	0.020000	0.003234	0.000914	0.002166	0.002513	0.000097	0.000250	0.005017	0.000131	0.000694	1
Trips	12,705	2,054	6,902	449	73	21	49	56	2	6	113	3	16	216
Calibrated for zero school buses	0.566006	0.091482	0.307494	0.020000	0.003234	0.000914	0.002166	0.002513	0.000097	0.000250	0.005017	0.000000	0.000694	100.0%
Modified	0.566081	0.091494	0.307534	0.020003	0.003235	0.000914	0.002167	0.002514	0.000097	0.000250	0.005018	0.000000	0.000694	100.0%
Trips	12,707	2,054	6,903	449	73	21	49	56	2	6	113	0	16	22,447

Proposed Project

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix	0.471893	0.076271	0.256365	0.121552	0.022556	0.006376	0.015108	0.017528	0.000675	0.001742	0.004183	0.000914	0.004837	100%
Trips	25,651	4,146	13,935	6,607	1,226	347	821	953	37	95	227	50	263	54,357
Percent	0.808712			0.121552				0.069736						100%
Proportion	0.583512	0.094312	0.317004	1.000000	0.323448	0.091431	0.216646	0.251348	0.009679	0.024980	0.005172	0.013107	0.069362	
Assumed Mix adjusted with	0.97			0.02				0.01						1
Assumed	0.566006	0.091482	0.307494	0.020000	0.003234	0.000914	0.002166	0.002513	0.000097	0.000250	0.005017	0.000131	0.000694	1
Trips	30,766	4,973	16,714	1,087	176	50	118	137	5	14	273	7	38	54,357
Calibrated for zero school buses	0.566006	0.091482	0.307494	0.020000	0.003234	0.000914	0.002166	0.002513	0.000097	0.000250	0.005017	0.000000	0.000694	100.0%
Modified	0.566081	0.091494	0.307534	0.020003	0.003235	0.000914	0.002167	0.002514	0.000097	0.000250	0.005018	0.000000	0.000694	100.0%
Trips	30,770	4,973	16,717	1,087	176	50	118	137	5	14	273	0	38	54,357