

Alberhill Operational All Phases
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	3735	Dwelling Unit
Condo/Townhouse	2075	Dwelling Unit
Single Family Housing	2359	Dwelling Unit
Condo/Townhouse High Rise	75	Dwelling Unit
City Park	101	Acre
Place of Worship	1200	Seat
General Office Building	836	1000sqft
Elementary School	850	Student
Junior High School	1600	Student
University/College (4Yr)	6000	Student
Regional Shopping Center	650	1000sqft
Free-Standing Discount Superstore	589	1000sqft
Strip Mall	382	1000sqft
Supermarket	50	1000sqft

1.2 Other Project Characteristics

Urbanization Urban
Climate Zone 10

Wind Speed (m/s) 2.2
Precipitation Freq (Days) 31

Utility Company Southern California Edison

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Operational Run

Off-road Equipment -

Vehicle Trips - Trip rates from Traffic Report

Area Mitigation - Natural Gas Hearths

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	90.39	2.12	176.72	0.09		0.00	8.80		0.00	8.80	875.67	5,253.27	6,128.94	2.87	0.12	6,226.78
Energy	1.27	10.97	5.24	0.07		0.00	0.88		0.00	0.88	0.00	39,468.37	39,468.37	1.46	0.69	39,713.44
Mobile	32.37	94.24	269.42	1.22	117.66	5.71	123.37	1.87	5.57	7.44	0.00	86,413.80	86,413.80	2.21	0.00	86,460.21
Waste						0.00	0.00		0.00	0.00	4,567.37	0.00	4,567.37	269.92	0.00	10,235.78
Water						0.00	0.00		0.00	0.00	0.00	5,302.65	5,302.65	25.66	0.72	6,064.95
Total	124.03	107.33	451.38	1.38	117.66	5.71	133.05	1.87	5.57	17.12	5,443.04	136,438.09	141,881.13	302.12	1.53	148,701.16

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	63.59	1.44	124.93	0.01		0.00	1.07		0.00	1.06	0.00	5,550.22	5,550.22	0.30	0.10	5,586.85
Energy	1.27	10.97	5.24	0.07		0.00	0.88		0.00	0.88	0.00	39,468.37	39,468.37	1.46	0.69	39,713.44
Mobile	32.37	94.24	269.42	1.22	117.66	5.71	123.37	1.87	5.57	7.44	0.00	86,413.80	86,413.80	2.21	0.00	86,460.21
Waste						0.00	0.00		0.00	0.00	4,567.37	0.00	4,567.37	269.92	0.00	10,235.78
Water						0.00	0.00		0.00	0.00	0.00	5,302.65	5,302.65	25.66	0.72	6,064.95
Total	97.23	106.65	399.59	1.30	117.66	5.71	125.32	1.87	5.57	9.38	4,567.37	136,735.04	141,302.41	299.55	1.51	148,061.23

3.0 Construction Detail

3.1 Mitigation Measures Construction

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	32.37	94.24	269.42	1.22	117.66	5.71	123.37	1.87	5.57	7.44	0.00	86,413.80	86,413.80	2.21	0.00	86,460.21
Unmitigated	32.37	94.24	269.42	1.22	117.66	5.71	123.37	1.87	5.57	7.44	0.00	86,413.80	86,413.80	2.21	0.00	86,460.21
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	15,911.10	15,911.10	15,911.10	45,189,433	45,189,433
City Park	103.02	103.02	103.02	219,933	219,933
Condo/Townhouse	7,719.00	7,719.00	7,719.00	21,922,886	21,922,886
Condo/Townhouse High Rise	279.00	279.00	279.00	792,393	792,393
Elementary School	705.50	0.00	0.00	1,111,132	1,111,132
Free-Standing Discount Superstore	17,540.42	17,540.42	17,540.42	27,429,288	27,429,288
General Office Building	5,893.80	1,981.32	819.28	11,016,624	11,016,624
Junior High School	1,664.00	0.00	0.00	2,672,140	2,672,140
Place of Worship	1,908.00	1,080.00	1,080.00	3,126,720	3,126,720
Regional Shopping Center	14,670.50	14,670.50	14,670.50	25,721,858	25,721,858
Single Family Housing	14,437.08	14,437.08	14,437.08	41,003,040	41,003,040
Strip Mall	10,386.58	10,386.58	7,804.26	15,427,554	15,427,554
Supermarket	1,374.00	1,374.00	1,374.00	1,562,847	1,562,847

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
University/College (4Yr)	9,120.00	7,800.00	0.00	19,266,955	19,266,955
Total	101,712.00	93,282.02	81,737.66	216,462,803	216,462,803

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	10.80	7.30	7.50	40.20	19.20	40.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
Free-Standing Discount Superstore	9.50	7.30	7.30	13.20	67.80	19.00
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00

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	26,857.47	26,857.47	1.21	0.46	27,025.80
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	26,857.47	26,857.47	1.21	0.46	27,025.80
NaturalGas Mitigated	1.27	10.97	5.24	0.07		0.00	0.88		0.00	0.88	0.00	12,610.90	12,610.90	0.24	0.23	12,687.65
NaturalGas Unmitigated	1.27	10.97	5.24	0.07		0.00	0.88		0.00	0.88	0.00	12,610.90	12,610.90	0.24	0.23	12,687.65
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	5.69584e+007	0.31	2.62	1.12	0.02		0.00	0.21		0.00	0.21	0.00	3,039.52	3,039.52	0.06	0.06	3,058.01
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse	5.35886e+007	0.29	2.47	1.05	0.02		0.00	0.20		0.00	0.20	0.00	2,859.69	2,859.69	0.05	0.05	2,877.10
Condo/Townhouse High Rise	1.93694e+006	0.01	0.09	0.04	0.00		0.00	0.01		0.00	0.01	0.00	103.36	103.36	0.00	0.00	103.99
Elementary School	648804	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	34.62	34.62	0.00	0.00	34.83

	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					
Free-Standing Discount Superstore	1.36648e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	72.92	72.92	0.00	0.00	73.36
General Office Building	3.0514e+006	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01	0.00	162.83	162.83	0.00	0.00	163.83
Junior High School	1.71734e+006	0.01	0.08	0.07	0.00		0.00	0.01		0.00	0.01	0.00	91.64	91.64	0.00	0.00	92.20
Place of Worship	2.01758e+006	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01	0.00	107.67	107.67	0.00	0.00	108.32
Regional Shopping Center	1.508e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	80.47	80.47	0.00	0.00	80.96
Single Family Housing	9.5598e+007	0.52	4.41	1.87	0.03		0.00	0.36		0.00	0.36	0.00	5,101.47	5,101.47	0.10	0.09	5,132.52
Strip Mall	886240	0.00	0.04	0.04	0.00		0.00	0.00		0.00	0.00	0.00	47.29	47.29	0.00	0.00	47.58
Supermarket	996000	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	53.15	53.15	0.00	0.00	53.47
University/College (4Yr)	1.60455e+007	0.09	0.79	0.66	0.00		0.00	0.06		0.00	0.06	0.00	856.25	856.25	0.02	0.02	861.46
Total		1.29	10.97	5.25	0.07		0.00	0.89		0.00	0.89	0.00	12,610.88	12,610.88	0.23	0.22	12,687.63

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	5.69584e+007	0.31	2.62	1.12	0.02		0.00	0.21		0.00	0.21	0.00	3,039.52	3,039.52	0.06	0.06	3,058.01
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse	5.35886e+007	0.29	2.47	1.05	0.02		0.00	0.20		0.00	0.20	0.00	2,859.69	2,859.69	0.05	0.05	2,877.10
Condo/Townhouse High Rise	1.93694e+006	0.01	0.09	0.04	0.00		0.00	0.01		0.00	0.01	0.00	103.36	103.36	0.00	0.00	103.99
Elementary School	648804	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	34.62	34.62	0.00	0.00	34.83
Free-Standing Discount Superstore	1.36648e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	72.92	72.92	0.00	0.00	73.36
General Office Building	3.0514e+006	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01	0.00	162.83	162.83	0.00	0.00	163.83
Junior High School	1.71734e+006	0.01	0.08	0.07	0.00		0.00	0.01		0.00	0.01	0.00	91.64	91.64	0.00	0.00	92.20
Place of Worship	2.01758e+006	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01	0.00	107.67	107.67	0.00	0.00	108.32
Regional Shopping Center	1.508e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	80.47	80.47	0.00	0.00	80.96
Single Family Housing	9.5598e+007	0.52	4.41	1.87	0.03		0.00	0.36		0.00	0.36	0.00	5,101.47	5,101.47	0.10	0.09	5,132.52
Strip Mall	886240	0.00	0.04	0.04	0.00		0.00	0.00		0.00	0.00	0.00	47.29	47.29	0.00	0.00	47.58
Supermarket	996000	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	53.15	53.15	0.00	0.00	53.47
University/College (4Yr)	1.60455e+007	0.09	0.79	0.66	0.00		0.00	0.06		0.00	0.06	0.00	856.25	856.25	0.02	0.02	861.46
Total		1.29	10.97	5.25	0.07		0.00	0.89		0.00	0.89	0.00	12,610.88	12,610.88	0.23	0.22	12,687.63

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	1.56461e+007					4,550.98	0.21	0.08	4,579.50
City Park	0					0.00	0.00	0.00	0.00
Condo/Townhouse	1.02479e+007					2,980.80	0.13	0.05	2,999.48
Condo/Townhouse High Rise	370405					107.74	0.00	0.00	108.42
Elementary School	645961					187.89	0.01	0.00	189.07
Free-Standing Discount Superstore	9.22374e+006					2,682.92	0.12	0.05	2,699.73
General Office Building	8.93684e+006					2,599.46	0.12	0.04	2,615.76
Junior High School	1.70982e+006					497.34	0.02	0.01	500.45
Place of Worship	670909					195.15	0.01	0.00	196.37
Regional Shopping Center	1.0179e+007					2,960.77	0.13	0.05	2,979.33
Single Family Housing	1.69844e+007					4,940.26	0.22	0.08	4,971.22
Strip Mall	5.98212e+006					1,740.02	0.08	0.03	1,750.93
Supermarket	1.967e+006					572.14	0.03	0.01	575.73
University/College (4Yr)	9.77067e+006					2,842.00	0.13	0.05	2,859.81
Total						26,857.47	1.21	0.45	27,025.80

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	1.56461e+007					4,550.98	0.21	0.08	4,579.50
City Park	0					0.00	0.00	0.00	0.00
Condo/Townhouse	1.02479e+007					2,980.80	0.13	0.05	2,999.48
Condo/Townhouse High Rise	370405					107.74	0.00	0.00	108.42
Elementary School	645961					187.89	0.01	0.00	189.07
Free-Standing Discount Superstore	9.22374e+006					2,682.92	0.12	0.05	2,699.73
General Office Building	8.93684e+006					2,599.46	0.12	0.04	2,615.76
Junior High School	1.70982e+006					497.34	0.02	0.01	500.45
Place of Worship	670909					195.15	0.01	0.00	196.37
Regional Shopping Center	1.0179e+007					2,960.77	0.13	0.05	2,979.33
Single Family Housing	1.69844e+007					4,940.26	0.22	0.08	4,971.22
Strip Mall	5.98212e+006					1,740.02	0.08	0.03	1,750.93
Supermarket	1.967e+006					572.14	0.03	0.01	575.73
University/College (4Yr)	9.77067e+006					2,842.00	0.13	0.05	2,859.81
Total						26,857.47	1.21	0.45	27,025.80

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	63.59	1.44	124.93	0.01		0.00	1.07		0.00	1.06	0.00	5,550.22	5,550.22	0.30	0.10	5,586.85
Unmitigated	90.39	2.12	176.72	0.09		0.00	8.80		0.00	8.80	875.67	5,253.27	6,128.94	2.87	0.12	6,226.78
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	8.51					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	50.81					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	27.34	0.69	51.82	0.08		0.00	8.11		0.00	8.10	875.67	5,048.21	5,923.88	2.68	0.12	6,017.63
Landscaping	3.73	1.44	124.90	0.01		0.00	0.69		0.00	0.69	0.00	205.06	205.06	0.19	0.00	209.15
Total	90.39	2.13	176.72	0.09		0.00	8.80		0.00	8.79	875.67	5,253.27	6,128.94	2.87	0.12	6,226.78

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	8.51					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	50.81					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.54	0.00	0.03	0.00		0.00	0.37		0.00	0.37	0.00	5,345.16	5,345.16	0.10	0.10	5,377.69
Landscaping	3.73	1.44	124.90	0.01		0.00	0.69		0.00	0.69	0.00	205.06	205.06	0.19	0.00	209.15
Total	63.59	1.44	124.93	0.01		0.00	1.06		0.00	1.06	0.00	5,550.22	5,550.22	0.29	0.10	5,586.84

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					5,302.65	25.66	0.72	6,064.95
Unmitigated					5,302.65	25.66	0.72	6,064.95
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	243.35 / 153.416					1,420.18	7.49	0.21	1,642.16
City Park	0 / 120.34					388.89	0.02	0.01	391.32
Condo/Townhouse	135.195 / 85.2314					788.99	4.16	0.12	912.31
Condo/Townhouse High Rise	4.88655 / 3.08065					28.52	0.15	0.00	32.98
Elementary School	2.0606 / 5.2987					24.95	0.06	0.00	26.91
Free-Standing Discount Superstore	43.6287 / 26.7402					252.14	1.34	0.04	291.92
General Office Building	148.585 / 91.0685					858.72	4.57	0.13	994.20
Junior High School	3.87878 / 9.97402					46.97	0.12	0.00	50.66
Place of Worship	1.8963 / 2.966					16.79	0.06	0.00	18.55
Regional Shopping Center	48.1471 / 29.5095					278.26	1.48	0.04	322.16
Single Family Housing	153.698 / 96.8968					896.97	4.73	0.13	1,037.18
Strip Mall	28.2957 / 17.3425					163.53	0.87	0.02	189.33
Supermarket	6.16341 / 0.190621					24.03	0.19	0.01	29.58
University/College (4Yr)	12.8466 / 20.0934					113.73	0.40	0.01	125.69
Total						5,302.67	25.64	0.72	6,064.95

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	243.35 / 153.416					1,420.18	7.49	0.21	1,642.16
City Park	0 / 120.34					388.89	0.02	0.01	391.32
Condo/Townhouse	135.195 / 85.2314					788.99	4.16	0.12	912.31
Condo/Townhouse High Rise	4.88655 / 3.08065					28.52	0.15	0.00	32.98
Elementary School	2.0606 / 5.2987					24.95	0.06	0.00	26.91
Free-Standing Discount Superstore	43.6287 / 26.7402					252.14	1.34	0.04	291.92
General Office Building	148.585 / 91.0685					858.72	4.57	0.13	994.20
Junior High School	3.87878 / 9.97402					46.97	0.12	0.00	50.66
Place of Worship	1.8963 / 2.966					16.79	0.06	0.00	18.55
Regional Shopping Center	48.1471 / 29.5095					278.26	1.48	0.04	322.16
Single Family Housing	153.698 / 96.8968					896.97	4.73	0.13	1,037.18
Strip Mall	28.2957 / 17.3425					163.53	0.87	0.02	189.33
Supermarket	6.16341 / 0.190621					24.03	0.19	0.01	29.58
University/College (4Yr)	12.8466 / 20.0934					113.73	0.40	0.01	125.69
Total						5,302.67	25.64	0.72	6,064.95

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					4,567.37	269.92	0.00	10,235.78
Unmitigated					4,567.37	269.92	0.00	10,235.78
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	1718.1					348.76	20.61	0.00	781.59
City Park	8.69					1.76	0.10	0.00	3.95
Condo/Townhouse	954.5					193.75	11.45	0.00	434.22
Condo/Townhouse High Rise	34.5					7.00	0.41	0.00	15.69
Elementary School	155.13					31.49	1.86	0.00	70.57
Free-Standing Discount Superstore	2533.11					514.20	30.39	0.00	1,152.35
General Office Building	777.48					157.82	9.33	0.00	353.69
Junior High School	292					59.27	3.50	0.00	132.84
Place of Worship	10800					2,192.30	129.56	0.00	4,913.09
Regional Shopping Center	682.5					138.54	8.19	0.00	310.48
Single Family Housing	2766.27					561.53	33.19	0.00	1,258.42
Strip Mall	401.1					81.42	4.81	0.00	182.47
Supermarket	282					57.24	3.38	0.00	128.29
University/College (4Yr)	1095					222.28	13.14	0.00	498.13
Total						4,567.36	269.92	0.00	10,235.78

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	1718.1					348.76	20.61	0.00	781.59
City Park	8.69					1.76	0.10	0.00	3.95
Condo/Townhouse	954.5					193.75	11.45	0.00	434.22
Condo/Townhouse High Rise	34.5					7.00	0.41	0.00	15.69
Elementary School	155.13					31.49	1.86	0.00	70.57
Free-Standing Discount Superstore	2533.11					514.20	30.39	0.00	1,152.35
General Office Building	777.48					157.82	9.33	0.00	353.69
Junior High School	292					59.27	3.50	0.00	132.84
Place of Worship	10800					2,192.30	129.56	0.00	4,913.09
Regional Shopping Center	682.5					138.54	8.19	0.00	310.48
Single Family Housing	2766.27					561.53	33.19	0.00	1,258.42
Strip Mall	401.1					81.42	4.81	0.00	182.47
Supermarket	282					57.24	3.38	0.00	128.29
University/College (4Yr)	1095					222.28	13.14	0.00	498.13
Total						4,567.36	269.92	0.00	10,235.78

9.0 Vegetation

Alberhill Operational All Phases
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	3735	Dwelling Unit
Condo/Townhouse	2075	Dwelling Unit
Single Family Housing	2359	Dwelling Unit
Condo/Townhouse High Rise	75	Dwelling Unit
City Park	101	Acre
Place of Worship	1200	Seat
General Office Building	836	1000sqft
Elementary School	850	Student
Junior High School	1600	Student
University/College (4Yr)	6000	Student
Regional Shopping Center	650	1000sqft
Free-Standing Discount Superstore	589	1000sqft
Strip Mall	382	1000sqft
Supermarket	50	1000sqft

1.2 Other Project Characteristics

Urbanization Urban

Wind Speed (m/s) 2.2

Utility Company Southern California Edison

Climate Zone 10

Precipitation Freq (Days) 31

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Operational Run

Off-road Equipment -

Vehicle Trips - Trip rates from Traffic Report

Area Mitigation - Natural Gas Hearths

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	1,222.97	48.12	3,413.85	6.63		0.00	439.73		0.00	439.63	58,175.70	149,631.56		231.47	3.56	213,771.87
Energy	6.98	60.12	28.73	0.38		0.00	4.82		0.00	4.82		76,170.60		1.46	1.40	76,634.16
Mobile	188.72	548.25	1,551.50	7.29	748.00	32.68	780.68	10.72	31.86	42.58		571,782.83		14.11		572,079.10
Total	1,418.67	656.49	4,994.08	14.30	748.00	32.68	1,225.23	10.72	31.86	487.03	58,175.70	797,584.99		247.04	4.96	862,485.13

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	359.90	7.88	685.80	0.04		0.00	13.75		0.00	13.65	0.00	158,360.50		4.19	2.88	159,341.45
Energy	6.98	60.12	28.73	0.38		0.00	4.82		0.00	4.82		76,170.60		1.46	1.40	76,634.16
Mobile	188.72	548.25	1,551.50	7.29	748.00	32.68	780.68	10.72	31.86	42.58		571,782.83		14.11		572,079.10
Total	555.60	616.25	2,266.03	7.71	748.00	32.68	799.25	10.72	31.86	61.05	0.00	806,313.93		19.76	4.28	808,054.71

3.0 Construction Detail

3.1 Mitigation Measures Construction

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	188.72	548.25	1,551.50	7.29	748.00	32.68	780.68	10.72	31.86	42.58		571,782.83		14.11		572,079.10
Unmitigated	188.72	548.25	1,551.50	7.29	748.00	32.68	780.68	10.72	31.86	42.58		571,782.83		14.11		572,079.10
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartment Mid Rise	15,911.10	15,911.10	15,911.10	45,189,433	45,189,433

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	103.02	103.02	103.02	219,933	219,933
Condo/Townhouse	7,719.00	7,719.00	7719.00	21,922,886	21,922,886
Condo/Townhouse High Rise	279.00	279.00	279.00	792,393	792,393
Elementary School	705.50	0.00	0.00	1,111,132	1,111,132
Free-Standing Discount Superstore	17,540.42	17,540.42	17540.42	27,429,288	27,429,288
General Office Building	5,893.80	1,981.32	819.28	11,016,624	11,016,624
Junior High School	1,664.00	0.00	0.00	2,672,140	2,672,140
Place of Worship	1,908.00	1,080.00	1080.00	3,126,720	3,126,720
Regional Shopping Center	14,670.50	14,670.50	14670.50	25,721,858	25,721,858
Single Family Housing	14,437.08	14,437.08	14437.08	41,003,040	41,003,040
Strip Mall	10,386.58	10,386.58	7804.26	15,427,554	15,427,554
Supermarket	1,374.00	1,374.00	1374.00	1,562,847	1,562,847
University/College (4Yr)	9,120.00	7,800.00	0.00	19,266,955	19,266,955
Total	101,712.00	93,282.02	81,737.66	216,462,803	216,462,803

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	10.80	7.30	7.50	40.20	19.20	40.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
Free-Standing Discount Superstore	9.50	7.30	7.30	13.20	67.80	19.00
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.98	60.12	28.73	0.38		0.00	4.82		0.00	4.82		76,170.60		1.46	1.40	76,634.16
NaturalGas Unmitigated	6.98	60.12	28.73	0.38		0.00	4.82		0.00	4.82		76,170.60		1.46	1.40	76,634.16
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	156050	1.68	14.38	6.12	0.09		0.00	1.16		0.00	1.16		18,358.86		0.35	0.34	18,470.59
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Condo/Townhouse	146818	1.58	13.53	5.76	0.09		0.00	1.09		0.00	1.09		17,272.72		0.33	0.32	17,377.84
Condo/Townhouse High Rise	5306.68	0.06	0.49	0.21	0.00		0.00	0.04		0.00	0.04		624.32		0.01	0.01	628.11
Elementary School	1777.54	0.02	0.17	0.15	0.00		0.00	0.01		0.00	0.01		209.12		0.00	0.00	210.40
Free-Standing Discount Superstore	3743.78	0.04	0.37	0.31	0.00		0.00	0.03		0.00	0.03		440.44		0.01	0.01	443.13
General Office Building	8360	0.09	0.82	0.69	0.00		0.00	0.06		0.00	0.06		983.53		0.02	0.02	989.52
Junior High School	4705.04	0.05	0.46	0.39	0.00		0.00	0.04		0.00	0.04		553.53		0.01	0.01	556.90
Place of Worship	5527.6	0.06	0.54	0.46	0.00		0.00	0.04		0.00	0.04		650.31		0.01	0.01	654.26
Regional Shopping Center	4131.51	0.04	0.41	0.34	0.00		0.00	0.03		0.00	0.03		486.06		0.01	0.01	489.02
Single Family Housing	261912	2.82	24.14	10.27	0.15		0.00	1.95		0.00	1.95		30,813.22		0.59	0.56	31,000.74
Strip Mall	2428.05	0.03	0.24	0.20	0.00		0.00	0.02		0.00	0.02		285.65		0.01	0.01	287.39
Supermarket	2728.77	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02		321.03		0.01	0.01	322.99
University/College (4Yr)	43960.3	0.47	4.31	3.62	0.03		0.00	0.33		0.00	0.33		5,171.80		0.10	0.09	5,203.28
Total		6.97	60.13	28.74	0.36		0.00	4.82		0.00	4.82		76,170.59		1.46	1.40	76,634.17

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	156.05	1.68	14.38	6.12	0.09		0.00	1.16		0.00	1.16		18,358.86		0.35	0.34	18,470.59
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Condo/Townhouse	146.818	1.58	13.53	5.76	0.09		0.00	1.09		0.00	1.09		17,272.72		0.33	0.32	17,377.84
Condo/Townhouse High Rise	5.30668	0.06	0.49	0.21	0.00		0.00	0.04		0.00	0.04		624.32		0.01	0.01	628.11
Elementary School	1.77754	0.02	0.17	0.15	0.00		0.00	0.01		0.00	0.01		209.12		0.00	0.00	210.40
Free-Standing Discount Superstore	3.74378	0.04	0.37	0.31	0.00		0.00	0.03		0.00	0.03		440.44		0.01	0.01	443.13
General Office Building	8.36	0.09	0.82	0.69	0.00		0.00	0.06		0.00	0.06		983.53		0.02	0.02	989.52
Junior High School	4.70504	0.05	0.46	0.39	0.00		0.00	0.04		0.00	0.04		553.53		0.01	0.01	556.90
Place of Worship	5.5276	0.06	0.54	0.46	0.00		0.00	0.04		0.00	0.04		650.31		0.01	0.01	654.26
Regional Shopping Center	4.13151	0.04	0.41	0.34	0.00		0.00	0.03		0.00	0.03		486.06		0.01	0.01	489.02
Single Family Housing	261.912	2.82	24.14	10.27	0.15		0.00	1.95		0.00	1.95		30,813.22		0.59	0.56	31,000.74
Strip Mall	2.42805	0.03	0.24	0.20	0.00		0.00	0.02		0.00	0.02		285.65		0.01	0.01	287.39
Supermarket	2.72877	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02		321.03		0.01	0.01	322.99
University/College (4Yr)	43.9603	0.47	4.31	3.62	0.03		0.00	0.33		0.00	0.33		5,171.80		0.10	0.09	5,203.28
Total		6.97	60.13	28.74	0.36		0.00	4.82		0.00	4.82		76,170.59		1.46	1.40	76,634.17

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	359.90	7.88	685.80	0.04		0.00	13.75		0.00	13.65	0.00	158,360.50		4.19	2.88	159,341.45
Unmitigated	1,222.97	48.12	3,413.85	6.63		0.00	439.73		0.00	439.63	58,175.70	149,631.56		231.47	3.56	213,771.87
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	46.62					0.00	0.00		0.00	0.00						0.00
Consumer Products	278.40					0.00	0.00		0.00	0.00						0.00
Hearth	877.48	40.25	2,728.83	6.59		0.00	435.93		0.00	435.83	58,175.70	148,392.00		230.29	3.56	212,507.57
Landscaping	20.47	7.88	685.02	0.04		0.00	3.80		0.00	3.80		1,239.56		1.18		1,264.30
Total	1,222.97	48.13	3,413.85	6.63		0.00	439.73		0.00	439.63	58,175.70	149,631.56		231.47	3.56	213,771.87

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	46.62					0.00	0.00		0.00	0.00						0.00
Consumer Products	278.40					0.00	0.00		0.00	0.00						0.00
Hearth	14.40	0.00	0.79	0.00		0.00	9.95		0.00	9.85	0.00	157,120.94		3.01	2.88	158,077.15
Landscaping	20.47	7.88	685.02	0.04		0.00	3.80		0.00	3.80		1,239.56		1.18		1,264.30
Total	359.89	7.88	685.81	0.04		0.00	13.75		0.00	13.65	0.00	158,360.50		4.19	2.88	159,341.45

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Alberhill Phase 1
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	640	1000sqft
University/College (4Yr)	6000	Student
Apartments Mid Rise	1545	Dwelling Unit
Condo/Townhouse	1000	Dwelling Unit
Regional Shopping Center	650	1000sqft
Strip Mall	50	1000sqft

1.2 Other Project Characteristics

Urbanization Urban

Wind Speed (m/s) 2.2

Utility Company Southern California Edison

Climate Zone 10

Precipitation Freq (Days) 31

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2017 to end of 2021

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	1.03	7.85	4.95	0.01	2.38	0.35	2.73	1.29	0.35	1.65	0.00	962.79	962.79	0.08	0.00	964.55
2018	1.15	8.30	5.93	0.01	1.22	0.36	1.58	0.48	0.36	0.84	0.00	1,301.61	1,301.61	0.09	0.00	1,303.58
2019	2.52	12.56	22.52	0.06	4.92	0.58	5.49	0.08	0.54	0.62	0.00	5,553.94	5,553.94	0.20	0.00	5,558.11
2020	2.37	11.67	21.20	0.06	4.90	0.53	5.43	0.08	0.50	0.58	0.00	5,481.60	5,481.60	0.19	0.00	5,485.49
2021	38.89	2.83	5.04	0.01	0.85	0.23	1.08	0.01	0.22	0.24	0.00	920.32	920.32	0.06	0.00	921.53
Total	45.96	43.21	59.64	0.15	14.27	2.05	16.31	1.94	1.97	3.93	0.00	14,220.26	14,220.26	0.62	0.00	14,233.26

2.1 Overall Construction

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					
2017	1.03	7.85	4.95	0.01	0.94	0.35	1.30	0.50	0.35	0.86	0.00	962.79	962.79	0.08	0.00	964.55
2018	1.15	8.30	5.93	0.01	0.50	0.36	0.86	0.19	0.36	0.55	0.00	1,301.61	1,301.61	0.09	0.00	1,303.58
2019	2.52	12.56	22.52	0.06	4.92	0.58	5.49	0.08	0.54	0.62	0.00	5,553.94	5,553.94	0.20	0.00	5,558.11
2020	2.37	11.67	21.20	0.06	4.90	0.53	5.43	0.08	0.50	0.58	0.00	5,481.60	5,481.60	0.19	0.00	5,485.49
2021	38.89	2.83	5.04	0.01	0.85	0.23	1.08	0.01	0.22	0.24	0.00	920.32	920.32	0.06	0.00	921.53
Total	45.96	43.21	59.64	0.15	12.11	2.05	14.16	0.86	1.97	2.85	0.00	14,220.26	14,220.26	0.62	0.00	14,233.26

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	31.46	0.66	54.82	0.03		0.00	2.72		0.00	2.71	270.33	1,621.73	1,892.06	0.89	0.04	1,922.29
Energy	0.37	3.26	1.79	0.02		0.00	0.26		0.00	0.26	0.00	15,042.66	15,042.66	0.58	0.26	15,136.26
Mobile	22.55	50.16	197.42	0.49	49.39	2.58	51.97	0.78	2.52	3.29	0.00	37,879.03	37,879.03	1.54	0.00	37,911.44
Waste						0.00	0.00		0.00	0.00	729.94	0.00	729.94	43.14	0.00	1,635.83
Water						0.00	0.00		0.00	0.00	0.00	2,038.48	2,038.48	10.60	0.30	2,352.70
Total	54.38	54.08	254.03	0.54	49.39	2.58	54.95	0.78	2.52	6.26	1,000.27	56,581.90	57,582.17	56.75	0.60	58,958.52

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.19	0.45	38.83	0.00		0.00	0.33		0.00	0.33	0.00	1,713.41	1,713.41	0.09	0.03	1,724.74
Energy	0.32	2.81	1.54	0.02		0.00	0.22		0.00	0.22	0.00	14,039.21	14,039.21	0.55	0.24	14,126.62
Mobile	22.55	50.16	197.42	0.49	49.39	2.58	51.97	0.78	2.52	3.29	0.00	37,879.03	37,879.03	1.54	0.00	37,911.44
Waste						0.00	0.00		0.00	0.00	729.94	0.00	729.94	43.14	0.00	1,635.83
Water						0.00	0.00		0.00	0.00	0.00	2,038.48	2,038.48	10.60	0.30	2,352.70
Total	46.06	53.42	237.79	0.51	49.39	2.58	52.52	0.78	2.52	3.84	729.94	55,670.13	56,400.07	55.92	0.57	57,751.33

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					2.35	0.00	2.35	1.29	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.03	7.84	4.84	0.01		0.35	0.35		0.35	0.35	0.00	942.94	942.94	0.08	0.00	944.69
Total	1.03	7.84	4.84	0.01	2.35	0.35	2.70	1.29	0.35	1.64	0.00	942.94	942.94	0.08	0.00	944.69

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.10	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.84	19.84	0.00	0.00	19.86
Total	0.01	0.01	0.10	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.84	19.84	0.00	0.00	19.86

3.2 Site Preparation - 2017

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					0.92	0.00	0.92	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.03	7.84	4.84	0.01		0.35	0.35		0.35	0.35	0.00	942.94	942.94	0.08	0.00	944.69
Total	1.03	7.84	4.84	0.01	0.92	0.35	1.27	0.50	0.35	0.85	0.00	942.94	942.94	0.08	0.00	944.69

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.10	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.84	19.84	0.00	0.00	19.86
Total	0.01	0.01	0.10	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.84	19.84	0.00	0.00	19.86

3.3 Grading - 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					
Fugitive Dust					1.19	0.00	1.19	0.47	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.14	8.29	5.82	0.01		0.36	0.36		0.36	0.36	0.00	1,280.02	1,280.02	0.09	0.00	1,281.96
Total	1.14	8.29	5.82	0.01	1.19	0.36	1.55	0.47	0.36	0.83	0.00	1,280.02	1,280.02	0.09	0.00	1,281.96

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	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	21.59	21.59	0.00	0.00	21.62
Total	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	21.59	21.59	0.00	0.00	21.62

3.3 Grading - 2018

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					0.47	0.00	0.47	0.19	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.14	8.29	5.82	0.01		0.36	0.36		0.36	0.36	0.00	1,280.02	1,280.02	0.09	0.00	1,281.96
Total	1.14	8.29	5.82	0.01	0.47	0.36	0.83	0.19	0.36	0.55	0.00	1,280.02	1,280.02	0.09	0.00	1,281.96

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	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	21.59	21.59	0.00	0.00	21.62
Total	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	21.59	21.59	0.00	0.00	21.62

3.4 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	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91

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	0.81	8.78	6.00	0.02	0.73	0.27	1.01	0.02	0.25	0.27	0.00	2,181.25	2,181.25	0.04	0.00	2,182.00
Worker	1.31	1.21	13.60	0.04	4.18	0.17	4.35	0.06	0.15	0.22	0.00	2,894.46	2,894.46	0.13	0.00	2,897.20
Total	2.12	9.99	19.60	0.06	4.91	0.44	5.36	0.08	0.40	0.49	0.00	5,075.71	5,075.71	0.17	0.00	5,079.20

3.4 Building Construction - 2019

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	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91

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	0.81	8.78	6.00	0.02	0.73	0.27	1.01	0.02	0.25	0.27	0.00	2,181.25	2,181.25	0.04	0.00	2,182.00
Worker	1.31	1.21	13.60	0.04	4.18	0.17	4.35	0.06	0.15	0.22	0.00	2,894.46	2,894.46	0.13	0.00	2,897.20
Total	2.12	9.99	19.60	0.06	4.91	0.44	5.36	0.08	0.40	0.49	0.00	5,075.71	5,075.71	0.17	0.00	5,079.20

3.4 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	0.36	2.32	2.89	0.01		0.11	0.11		0.11	0.11	0.00	476.40	476.40	0.03	0.00	477.01
Total	0.36	2.32	2.89	0.01		0.11	0.11		0.11	0.11	0.00	476.40	476.40	0.03	0.00	477.01

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	8.24	5.65	0.02	0.73	0.25	0.98	0.02	0.23	0.25	0.00	2,175.98	2,175.98	0.03	0.00	2,176.68
Worker	1.25	1.11	12.66	0.04	4.17	0.17	4.34	0.06	0.16	0.22	0.00	2,829.23	2,829.23	0.12	0.00	2,831.80
Total	2.01	9.35	18.31	0.06	4.90	0.42	5.32	0.08	0.39	0.47	0.00	5,005.21	5,005.21	0.15	0.00	5,008.48

3.4 Building Construction - 2020

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	2.32	2.89	0.01		0.11	0.11		0.11	0.11	0.00	476.40	476.40	0.03	0.00	477.01
Total	0.36	2.32	2.89	0.01		0.11	0.11		0.11	0.11	0.00	476.40	476.40	0.03	0.00	477.01

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	8.24	5.65	0.02	0.73	0.25	0.98	0.02	0.23	0.25	0.00	2,175.98	2,175.98	0.03	0.00	2,176.68
Worker	1.25	1.11	12.66	0.04	4.17	0.17	4.34	0.06	0.16	0.22	0.00	2,829.23	2,829.23	0.12	0.00	2,831.80
Total	2.01	9.35	18.31	0.06	4.90	0.42	5.32	0.08	0.39	0.47	0.00	5,005.21	5,005.21	0.15	0.00	5,008.48

3.5 Architectural Coating - 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					
Archit. Coating	38.23					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.20	0.24	0.00		0.01	0.01		0.01	0.01	0.00	33.03	33.03	0.00	0.00	33.07
Total	38.26	0.20	0.24	0.00		0.01	0.01		0.01	0.01	0.00	33.03	33.03	0.00	0.00	33.07

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	0.24	0.21	2.38	0.01	0.83	0.03	0.86	0.01	0.03	0.04	0.00	556.93	556.93	0.02	0.00	557.42
Total	0.24	0.21	2.38	0.01	0.83	0.03	0.86	0.01	0.03	0.04	0.00	556.93	556.93	0.02	0.00	557.42

3.5 Architectural Coating - 2021

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	38.23					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.20	0.24	0.00		0.01	0.01		0.01	0.01	0.00	33.03	33.03	0.00	0.00	33.07
Total	38.26	0.20	0.24	0.00		0.01	0.01		0.01	0.01	0.00	33.03	33.03	0.00	0.00	33.07

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	0.24	0.21	2.38	0.01	0.83	0.03	0.86	0.01	0.03	0.04	0.00	556.93	556.93	0.02	0.00	557.42
Total	0.24	0.21	2.38	0.01	0.83	0.03	0.86	0.01	0.03	0.04	0.00	556.93	556.93	0.02	0.00	557.42

3.6 Paving - 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	0.39	2.42	2.36	0.00		0.18	0.18		0.18	0.18	0.00	316.21	316.21	0.03	0.00	316.88
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.39	2.42	2.36	0.00		0.18	0.18		0.18	0.18	0.00	316.21	316.21	0.03	0.00	316.88

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.14	14.14	0.00	0.00	14.16
Total	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.14	14.14	0.00	0.00	14.16

3.6 Paving - 2021

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	0.39	2.42	2.36	0.00		0.18	0.18		0.18	0.18	0.00	316.21	316.21	0.03	0.00	316.88
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.39	2.42	2.36	0.00		0.18	0.18		0.18	0.18	0.00	316.21	316.21	0.03	0.00	316.88

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.14	14.14	0.00	0.00	14.16
Total	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.14	14.14	0.00	0.00	14.16

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	tons/yr										MT/yr					
Mitigated	22.55	50.16	197.42	0.49	49.39	2.58	51.97	0.78	2.52	3.29	0.00	37,879.03	37,879.03	1.54	0.00	37,911.44
Unmitigated	22.55	50.16	197.42	0.49	49.39	2.58	51.97	0.78	2.52	3.29	0.00	37,879.03	37,879.03	1.54	0.00	37,911.44
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	6,581.70	6,581.70	6581.70	18,692,818	18,692,818
Condo/Townhouse	3,720.00	3,720.00	3720.00	10,565,246	10,565,246
General Office Building	4,512.00	4,512.00	4512.00	10,782,565	10,782,565
Regional Shopping Center	14,670.50	14,670.50	14670.50	25,721,858	25,721,858
Strip Mall	1,374.00	1,374.00	1374.00	2,116,005	2,116,005
University/College (4Yr)	9,120.00	9,120.00	9120.00	23,033,752	23,033,752
Total	39,978.20	39,978.20	39,978.20	90,912,245	90,912,245

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	40.20	19.20	40.60
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00

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	10,838.35	10,838.35	0.49	0.19	10,906.28
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	11,339.61	11,339.61	0.51	0.19	11,410.68
NaturalGas Mitigated	0.32	2.81	1.54	0.02		0.00	0.22		0.00	0.22	0.00	3,200.86	3,200.86	0.06	0.06	3,220.33
NaturalGas Unmitigated	0.37	3.26	1.79	0.02		0.00	0.26		0.00	0.26	0.00	3,703.05	3,703.05	0.07	0.07	3,725.58
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	2.35611e+007	0.13	1.09	0.46	0.01		0.00	0.09		0.00	0.09	0.00	1,257.31	1,257.31	0.02	0.02	1,264.96
Condo/Townhouse	2.58258e+007	0.14	1.19	0.51	0.01		0.00	0.10		0.00	0.10	0.00	1,378.17	1,378.17	0.03	0.03	1,386.55
General Office Building	2.336e+006	0.01	0.11	0.10	0.00		0.00	0.01		0.00	0.01	0.00	124.66	124.66	0.00	0.00	125.42
Regional Shopping Center	1.508e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	80.47	80.47	0.00	0.00	80.96
Strip Mall	116000	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	6.19	6.19	0.00	0.00	6.23
University/College (4Yr)	1.60455e+007	0.09	0.79	0.66	0.00		0.00	0.06		0.00	0.06	0.00	856.25	856.25	0.02	0.02	861.46
Total		0.38	3.26	1.79	0.02		0.00	0.27		0.00	0.27	0.00	3,703.05	3,703.05	0.07	0.07	3,725.58

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	2.04848e+007	0.11	0.94	0.40	0.01		0.00	0.08		0.00	0.08	0.00	1,093.15	1,093.15	0.02	0.02	1,099.80
Condo/Townhouse	2.24591e+007	0.12	1.03	0.44	0.01		0.00	0.08		0.00	0.08	0.00	1,198.50	1,198.50	0.02	0.02	1,205.80
General Office Building	1.9856e+006	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01	0.00	105.96	105.96	0.00	0.00	106.60
Regional Shopping Center	1.31105e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	69.96	69.96	0.00	0.00	70.39
Strip Mall	100850	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	5.38	5.38	0.00	0.00	5.41
University/College (4Yr)	1.36403e+007	0.07	0.67	0.56	0.00		0.00	0.05		0.00	0.05	0.00	727.90	727.90	0.01	0.01	732.33
Total		0.32	2.80	1.53	0.02		0.00	0.22		0.00	0.22	0.00	3,200.85	3,200.85	0.05	0.05	3,220.33

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	6.47207e+006					1,882.53	0.09	0.03	1,894.33
Condo/Townhouse	4.93873e+006					1,436.53	0.06	0.02	1,445.53
General Office Building	6.8416e+006					1,990.02	0.09	0.03	2,002.49
Regional Shopping Center	1.0179e+007					2,960.77	0.13	0.05	2,979.33
Strip Mall	783000					227.75	0.01	0.00	229.18
University/College (4Yr)	9.77067e+006					2,842.00	0.13	0.05	2,859.81
Total						11,339.60	0.51	0.18	11,410.67

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	6.24235e+006					1,815.72	0.08	0.03	1,827.10
Condo/Townhouse	4.7918e+006					1,393.79	0.06	0.02	1,402.53
General Office Building	6.4816e+006					1,885.31	0.09	0.03	1,897.12
Regional Shopping Center	9.633e+006					2,801.96	0.13	0.05	2,819.52
Strip Mall	741000					215.54	0.01	0.00	216.89
University/College (4Yr)	9.37202e+006					2,726.04	0.12	0.05	2,743.13
Total						10,838.36	0.49	0.18	10,906.29

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	23.19	0.45	38.83	0.00		0.00	0.33		0.00	0.33	0.00	1,713.41	1,713.41	0.09	0.03	1,724.74
Unmitigated	31.46	0.66	54.82	0.03		0.00	2.72		0.00	2.71	270.33	1,621.73	1,892.06	0.89	0.04	1,922.29
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	3.82					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	18.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	8.44	0.21	16.00	0.03		0.00	2.50		0.00	2.50	270.33	1,558.43	1,828.76	0.83	0.04	1,857.70
Landscaping	1.18	0.45	38.82	0.00		0.00	0.21		0.00	0.21	0.00	63.30	63.30	0.06	0.00	64.59
Total	31.46	0.66	54.82	0.03		0.00	2.71		0.00	2.71	270.33	1,621.73	1,892.06	0.89	0.04	1,922.29

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.82					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	18.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.17	0.00	0.01	0.00		0.00	0.12		0.00	0.11	0.00	1,650.10	1,650.10	0.03	0.03	1,660.14
Landscaping	1.18	0.45	38.82	0.00		0.00	0.21		0.00	0.21	0.00	63.30	63.30	0.06	0.00	64.59
Total	23.19	0.45	38.83	0.00		0.00	0.33		0.00	0.32	0.00	1,713.40	1,713.40	0.09	0.03	1,724.73

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					2,038.48	10.60	0.30	2,352.70
Unmitigated					2,038.48	10.60	0.30	2,352.70
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	100.663 / 63.4614					587.46	3.10	0.09	679.29
Condo/Townhouse	65.154 / 41.0754					380.23	2.01	0.06	439.67
General Office Building	113.75 / 69.7175					657.39	3.50	0.10	761.11
Regional Shopping Center	48.1471 / 29.5095					278.26	1.48	0.04	322.16
Strip Mall	3.70363 / 2.26996					21.40	0.11	0.00	24.78
University/College (4Yr)	12.8466 / 20.0934					113.73	0.40	0.01	125.69
Total						2,038.47	10.60	0.30	2,352.70

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	100.663 / 63.4614					587.46	3.10	0.09	679.29
Condo/Townhouse	65.154 / 41.0754					380.23	2.01	0.06	439.67
General Office Building	113.75 / 69.7175					657.39	3.50	0.10	761.11
Regional Shopping Center	48.1471 / 29.5095					278.26	1.48	0.04	322.16
Strip Mall	3.70363 / 2.26996					21.40	0.11	0.00	24.78
University/College (4Yr)	12.8466 / 20.0934					113.73	0.40	0.01	125.69
Total						2,038.47	10.60	0.30	2,352.70

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					729.94	43.14	0.00	1,635.83
Unmitigated					729.94	43.14	0.00	1,635.83
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	710.7					144.27	8.53	0.00	323.31
Condo/Townhouse	460					93.38	5.52	0.00	209.26
General Office Building	595.2					120.82	7.14	0.00	270.77
Regional Shopping Center	682.5					138.54	8.19	0.00	310.48
Strip Mall	52.5					10.66	0.63	0.00	23.88
University/College (4Yr)	1095					222.28	13.14	0.00	498.13
Total						729.95	43.15	0.00	1,635.83

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	710.7					144.27	8.53	0.00	323.31
Condo/Townhouse	460					93.38	5.52	0.00	209.26
General Office Building	595.2					120.82	7.14	0.00	270.77
Regional Shopping Center	682.5					138.54	8.19	0.00	310.48
Strip Mall	52.5					10.66	0.63	0.00	23.88
University/College (4Yr)	1095					222.28	13.14	0.00	498.13
Total						729.95	43.15	0.00	1,635.83

9.0 Vegetation

Alberhill Phase 1
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	640	1000sqft
University/College (4Yr)	6000	Student
Apartments Mid Rise	1545	Dwelling Unit
Condo/Townhouse	1000	Dwelling Unit
Regional Shopping Center	650	1000sqft
Strip Mall	50	1000sqft

1.2 Other Project Characteristics

Urbanization Urban

Wind Speed (m/s) 2.2

Utility Company Southern California Edison

Climate Zone 10

Precipitation Freq (Days) 31

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2017 to end of 2021

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.96	60.39	38.11	0.08	18.30	2.73	21.03	9.93	2.73	12.66	0.00	8,176.46	0.00	0.71	0.00	8,191.47
2018	8.87	63.82	45.65	0.10	9.44	2.77	12.22	3.31	2.77	6.09	0.00	11,051.24	0.00	0.79	0.00	11,067.91
2019	19.38	96.43	173.44	0.52	41.74	4.40	46.14	0.64	4.14	4.77	0.00	48,515.86	0.00	1.71	0.00	48,551.87
2020	18.30	90.03	163.85	0.52	41.74	4.09	45.82	0.64	3.84	4.48	0.00	48,060.18	0.00	1.61	0.00	48,093.97
2021	300.62	23.32	41.58	0.09	7.31	1.86	9.16	0.10	1.84	1.93	0.00	8,377.61	0.00	0.52	0.00	8,388.63
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	7.96	60.39	38.11	0.08	7.28	2.73	10.01	3.88	2.73	6.61	0.00	8,176.46	0.00	0.71	0.00	8,191.47
2018	8.87	63.82	45.65	0.10	3.84	2.77	6.62	1.29	2.77	4.07	0.00	11,051.24	0.00	0.79	0.00	11,067.91
2019	19.38	96.43	173.44	0.52	41.74	4.40	46.14	0.64	4.14	4.77	0.00	48,515.86	0.00	1.71	0.00	48,551.87
2020	18.30	90.03	163.85	0.52	41.74	4.09	45.82	0.64	3.84	4.48	0.00	48,060.18	0.00	1.61	0.00	48,093.97
2021	300.62	23.32	41.58	0.09	7.31	1.86	9.16	0.10	1.84	1.93	0.00	8,377.61	0.00	0.52	0.00	8,388.63
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	397.04	14.87	1,055.32	2.05		0.00	135.75		0.00	135.71	17,959.38	46,192.66		71.46	1.10	65,993.52
Energy	2.05	17.84	9.82	0.11		0.00	1.42		0.00	1.42		22,366.63		0.43	0.41	22,502.74
Mobile	126.96	271.72	1,086.09	2.84	300.98	14.14	315.12	4.26	13.79	18.05		240,713.84		9.25		240,908.17
Total	526.05	304.43	2,151.23	5.00	300.98	14.14	452.29	4.26	13.79	155.18	17,959.38	309,273.13		81.14	1.51	329,404.43

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	130.60	2.45	213.14	0.01		0.00	4.24		0.00	4.21	0.00	48,887.37		1.30	0.89	49,190.34
Energy	1.77	15.42	8.46	0.10		0.00	1.22		0.00	1.22		19,333.36		0.37	0.35	19,451.02
Mobile	126.96	271.72	1,086.09	2.84	300.98	14.14	315.12	4.26	13.79	18.05		240,713.84		9.25		240,908.17
Total	259.33	289.59	1,307.69	2.95	300.98	14.14	320.58	4.26	13.79	23.48	0.00	308,934.57		10.92	1.24	309,549.53

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	7.89	60.32	37.27	0.07		2.72	2.72		2.72	2.72		7,997.69		0.71		8,012.52
Total	7.89	60.32	37.27	0.07	18.07	2.72	20.79	9.93	2.72	12.65		7,997.69		0.71		8,012.52

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	0.07	0.84	0.00	0.23	0.01	0.24	0.00	0.01	0.01		178.77		0.01		178.95
Total	0.08	0.07	0.84	0.00	0.23	0.01	0.24	0.00	0.01	0.01		178.77		0.01		178.95

3.2 Site Preparation - 2017

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					7.05	0.00	7.05	3.87	0.00	3.87						0.00
Off-Road	7.89	60.32	37.27	0.07		2.72	2.72		2.72	2.72	0.00	7,997.69		0.71		8,012.52
Total	7.89	60.32	37.27	0.07	7.05	2.72	9.77	3.87	2.72	6.59	0.00	7,997.69		0.71		8,012.52

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	0.07	0.84	0.00	0.23	0.01	0.24	0.00	0.01	0.01		178.77		0.01		178.95
Total	0.08	0.07	0.84	0.00	0.23	0.01	0.24	0.00	0.01	0.01		178.77		0.01		178.95

3.3 Grading - 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					
Fugitive Dust					9.18	0.00	9.18	3.31	0.00	3.31						0.00
Off-Road	8.79	63.75	44.78	0.10		2.76	2.76		2.76	2.76		10,856.66		0.79		10,873.14
Total	8.79	63.75	44.78	0.10	9.18	2.76	11.94	3.31	2.76	6.07		10,856.66		0.79		10,873.14

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	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	0.87	0.00	0.26	0.01	0.27	0.00	0.01	0.01		194.58		0.01		194.77
Total	0.08	0.07	0.87	0.00	0.26	0.01	0.27	0.00	0.01	0.01		194.58		0.01		194.77

3.3 Grading - 2018

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					3.58	0.00	3.58	1.29	0.00	1.29						0.00
Off-Road	8.79	63.75	44.78	0.10		2.76	2.76		2.76	2.76	0.00	10,856.66		0.79		10,873.14
Total	8.79	63.75	44.78	0.10	3.58	2.76	6.34	1.29	2.76	4.05	0.00	10,856.66		0.79		10,873.14

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	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	0.87	0.00	0.26	0.01	0.27	0.00	0.01	0.01		194.58		0.01		194.77
Total	0.08	0.07	0.87	0.00	0.26	0.01	0.27	0.00	0.01	0.01		194.58		0.01		194.77

3.4 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	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36
Total	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36

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	6.00	67.86	41.11	0.18	6.18	2.09	8.27	0.16	1.92	2.08		18,489.96		0.29		18,496.11
Worker	10.33	8.84	109.97	0.30	35.55	1.28	36.83	0.48	1.19	1.67		25,985.29		1.15		26,009.40
Total	16.33	76.70	151.08	0.48	41.73	3.37	45.10	0.64	3.11	3.75		44,475.25		1.44		44,505.51

3.4 Building Construction - 2019

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	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36
Total	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36

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	6.00	67.86	41.11	0.18	6.18	2.09	8.27	0.16	1.92	2.08		18,489.96		0.29		18,496.11
Worker	10.33	8.84	109.97	0.30	35.55	1.28	36.83	0.48	1.19	1.67		25,985.29		1.15		26,009.40
Total	16.33	76.70	151.08	0.48	41.73	3.37	45.10	0.64	3.11	3.75		44,475.25		1.44		44,505.51

3.4 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	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88		4,040.62		0.25		4,045.85
Total	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88		4,040.62		0.25		4,045.85

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	5.63	63.99	38.72	0.18	6.18	1.92	8.11	0.16	1.77	1.93		18,517.44		0.27		18,523.17
Worker	9.88	8.16	102.89	0.30	35.55	1.29	36.84	0.48	1.19	1.67		25,502.13		1.09		25,524.94
Total	15.51	72.15	141.61	0.48	41.73	3.21	44.95	0.64	2.96	3.60		44,019.57		1.36		44,048.11

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88	0.00	4,040.62		0.25		4,045.85
Total	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88	0.00	4,040.62		0.25		4,045.85

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	5.63	63.99	38.72	0.18	6.18	1.92	8.11	0.16	1.77	1.93		18,517.44		0.27		18,523.17
Worker	9.88	8.16	102.89	0.30	35.55	1.29	36.84	0.48	1.19	1.67		25,502.13		1.09		25,524.94
Total	15.51	72.15	141.61	0.48	41.73	3.21	44.95	0.64	2.96	3.60		44,019.57		1.36		44,048.11

3.5 Architectural Coating - 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					
Archit. Coating	295.18					0.00	0.00		0.00	0.00						0.00
Off-Road	0.22	1.53	1.82	0.00		0.09	0.09		0.09	0.09		281.19		0.02		281.60
Total	295.40	1.53	1.82	0.00		0.09	0.09		0.09	0.09		281.19		0.02		281.60

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	1.90	1.52	19.46	0.06	7.11	0.26	7.37	0.10	0.24	0.34		5,040.06		0.21		5,044.42
Total	1.90	1.52	19.46	0.06	7.11	0.26	7.37	0.10	0.24	0.34		5,040.06		0.21		5,044.42

3.5 Architectural Coating - 2021

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	295.18					0.00	0.00		0.00	0.00						0.00
Off-Road	0.22	1.53	1.82	0.00		0.09	0.09		0.09	0.09	0.00	281.19		0.02		281.60
Total	295.40	1.53	1.82	0.00		0.09	0.09		0.09	0.09	0.00	281.19		0.02		281.60

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	1.90	1.52	19.46	0.06	7.11	0.26	7.37	0.10	0.24	0.34		5,040.06		0.21		5,044.42
Total	1.90	1.52	19.46	0.06	7.11	0.26	7.37	0.10	0.24	0.34		5,040.06		0.21		5,044.42

3.6 Paving - 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	3.27	20.24	19.76	0.03		1.49	1.49		1.49	1.49		2,917.64		0.29		2,923.78
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.27	20.24	19.76	0.03		1.49	1.49		1.49	1.49		2,917.64		0.29		2,923.78

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	0.05	0.04	0.54	0.00	0.20	0.01	0.20	0.00	0.01	0.01		138.72		0.01		138.84
Total	0.05	0.04	0.54	0.00	0.20	0.01	0.20	0.00	0.01	0.01		138.72		0.01		138.84

3.6 Paving - 2021

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	3.27	20.24	19.76	0.03		1.49	1.49		1.49	1.49	0.00	2,917.64		0.29		2,923.78
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.27	20.24	19.76	0.03		1.49	1.49		1.49	1.49	0.00	2,917.64		0.29		2,923.78

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	0.05	0.04	0.54	0.00	0.20	0.01	0.20	0.00	0.01	0.01		138.72		0.01		138.84
Total	0.05	0.04	0.54	0.00	0.20	0.01	0.20	0.00	0.01	0.01		138.72		0.01		138.84

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	126.96	271.72	1,086.09	2.84	300.98	14.14	315.12	4.26	13.79	18.05		240,713.84		9.25		240,908.17
Unmitigated	126.96	271.72	1,086.09	2.84	300.98	14.14	315.12	4.26	13.79	18.05		240,713.84		9.25		240,908.17
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	6,581.70	6,581.70	6581.70	18,692,818	18,692,818
Condo/Townhouse	3,720.00	3,720.00	3720.00	10,565,246	10,565,246
General Office Building	4,512.00	4,512.00	4512.00	10,782,565	10,782,565
Regional Shopping Center	14,670.50	14,670.50	14670.50	25,721,858	25,721,858
Strip Mall	1,374.00	1,374.00	1374.00	2,116,005	2,116,005
University/College (4Yr)	9,120.00	9,120.00	9120.00	23,033,752	23,033,752
Total	39,978.20	39,978.20	39,978.20	90,912,245	90,912,245

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	40.20	19.20	40.60
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.77	15.42	8.46	0.10		0.00	1.22		0.00	1.22		19,333.36		0.37	0.35	19,451.02
NaturalGas Unmitigated	2.05	17.84	9.82	0.11		0.00	1.42		0.00	1.42		22,366.63		0.43	0.41	22,502.74
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	64550.9	0.70	5.95	2.53	0.04		0.00	0.48		0.00	0.48		7,594.23		0.15	0.14	7,640.45
Condo/Townhouse	70755.7	0.76	6.52	2.77	0.04		0.00	0.53		0.00	0.53		8,324.20		0.16	0.15	8,374.86
General Office Building	6400	0.07	0.63	0.53	0.00		0.00	0.05		0.00	0.05		752.94		0.01	0.01	757.52
Regional Shopping Center	4131.51	0.04	0.41	0.34	0.00		0.00	0.03		0.00	0.03		486.06		0.01	0.01	489.02
Strip Mall	317.808	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00		37.39		0.00	0.00	37.62
University/College (4Yr)	43960.3	0.47	4.31	3.62	0.03		0.00	0.33		0.00	0.33		5,171.80		0.10	0.09	5,203.28
Total		2.04	17.85	9.82	0.11		0.00	1.42		0.00	1.42		22,366.62		0.43	0.40	22,502.75

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	56.1227	0.61	5.17	2.20	0.03		0.00	0.42		0.00	0.42		6,602.68		0.13	0.12	6,642.86
Condo/Townhouse	61.5318	0.66	5.67	2.41	0.04		0.00	0.46		0.00	0.46		7,239.04		0.14	0.13	7,283.09
General Office Building	5.44	0.06	0.53	0.45	0.00		0.00	0.04		0.00	0.04		640.00		0.01	0.01	643.89
Regional Shopping Center	3.59192	0.04	0.35	0.30	0.00		0.00	0.03		0.00	0.03		422.58		0.01	0.01	425.15
Strip Mall	0.276301	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00		32.51		0.00	0.00	32.70
University/College (4Yr)	37.3708	0.40	3.66	3.08	0.02		0.00	0.28		0.00	0.28		4,396.57		0.08	0.08	4,423.32
Total		1.77	15.41	8.46	0.09		0.00	1.23		0.00	1.23		19,333.38		0.37	0.35	19,451.01

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	130.60	2.45	213.14	0.01		0.00	4.24		0.00	4.21	0.00	48,887.37		1.30	0.89	49,190.34
Unmitigated	397.04	14.87	1,055.32	2.05		0.00	135.75		0.00	135.71	17,959.38	46,192.66		71.46	1.10	65,993.52
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	20.95					0.00	0.00		0.00	0.00						0.00
Consumer Products	98.76					0.00	0.00		0.00	0.00						0.00
Hearth	270.89	12.42	842.42	2.04		0.00	134.58		0.00	134.55	17,959.38	45,810.00		71.09	1.10	65,603.08
Landscaping	6.45	2.45	212.90	0.01		0.00	1.17		0.00	1.17		382.66		0.37		390.44
Total	397.05	14.87	1,055.32	2.05		0.00	135.75		0.00	135.72	17,959.38	46,192.66		71.46	1.10	65,993.52

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	20.95					0.00	0.00		0.00	0.00						0.00
Consumer Products	98.76					0.00	0.00		0.00	0.00						0.00
Hearth	4.45	0.00	0.24	0.00		0.00	3.07		0.00	3.04	0.00	48,504.71		0.93	0.89	48,799.90
Landscaping	6.45	2.45	212.90	0.01		0.00	1.17		0.00	1.17		382.66		0.37		390.44
Total	130.61	2.45	213.14	0.01		0.00	4.24		0.00	4.21	0.00	48,887.37		1.30	0.89	49,190.34

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Alberhill Phase 2
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Elementary School	850	Student
Place of Worship	600	Seat
City Park	16	Acre
Apartments Mid Rise	1385	Dwelling Unit
Single Family Housing	874	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2022 to end of 2026

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.79	5.41	4.10	0.01	2.38	0.22	2.59	1.29	0.22	1.51	0.00	961.10	961.10	0.06	0.00	962.45
2023	0.87	5.21	5.35	0.01	1.64	0.21	1.84	0.52	0.21	0.73	0.00	1,299.88	1,299.88	0.07	0.00	1,301.36
2024	1.04	4.68	9.66	0.03	2.37	0.22	2.59	0.04	0.21	0.25	0.00	2,660.25	2,660.25	0.08	0.00	2,661.99
2025	0.99	4.40	9.26	0.03	2.35	0.21	2.56	0.04	0.19	0.23	0.00	2,622.36	2,622.36	0.08	0.00	2,624.00
2026	13.18	2.25	3.75	0.01	0.44	0.15	0.59	0.01	0.15	0.15	0.00	653.03	653.03	0.04	0.00	653.83
Total	16.87	21.95	32.12	0.09	9.18	1.01	10.17	1.90	0.98	2.87	0.00	8,196.62	8,196.62	0.33	0.00	8,203.63

2.1 Overall Construction

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					
2022	0.79	5.41	4.10	0.01	0.94	0.22	1.16	0.50	0.22	0.72	0.00	961.10	961.10	0.06	0.00	962.45
2023	0.87	5.21	5.35	0.01	0.66	0.21	0.87	0.20	0.21	0.41	0.00	1,299.88	1,299.88	0.07	0.00	1,301.36
2024	1.04	4.68	9.66	0.03	2.37	0.22	2.59	0.04	0.21	0.25	0.00	2,660.25	2,660.25	0.08	0.00	2,661.99
2025	0.99	4.40	9.26	0.03	2.35	0.21	2.56	0.04	0.19	0.23	0.00	2,622.36	2,622.36	0.08	0.00	2,624.00
2026	13.18	2.25	3.75	0.01	0.44	0.15	0.59	0.01	0.15	0.15	0.00	653.03	653.03	0.04	0.00	653.83
Total	16.87	21.95	32.12	0.09	6.76	1.01	7.77	0.79	0.98	1.76	0.00	8,196.62	8,196.62	0.33	0.00	8,203.63

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	20.85	0.58	48.54	0.02		0.00	2.41		0.00	2.41	239.95	1,439.49	1,679.44	0.79	0.03	1,706.25
Energy	0.31	2.69	1.18	0.02		0.00	0.22		0.00	0.22	0.00	6,909.02	6,909.02	0.23	0.12	6,951.76
Mobile	6.85	15.82	59.61	0.19	19.19	0.95	20.14	0.30	0.91	1.21	0.00	14,137.19	14,137.19	0.47	0.00	14,147.15
Waste						0.00	0.00		0.00	0.00	1,465.31	0.00	1,465.31	86.60	0.00	3,283.86
Water						0.00	0.00		0.00	0.00	0.00	953.90	953.90	4.63	0.13	1,091.39
Total	28.01	19.09	109.33	0.23	19.19	0.95	22.77	0.30	0.91	3.84	1,705.26	23,439.60	25,144.86	92.72	0.28	27,180.41

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	13.51	0.39	34.35	0.00		0.00	0.29		0.00	0.29	0.00	1,520.86	1,520.86	0.08	0.03	1,530.90
Energy	0.27	2.34	1.03	0.01		0.00	0.19		0.00	0.19	0.00	6,390.33	6,390.33	0.22	0.11	6,429.89
Mobile	6.85	15.82	59.61	0.19	19.19	0.95	20.14	0.30	0.91	1.21	0.00	14,137.19	14,137.19	0.47	0.00	14,147.15
Waste						0.00	0.00		0.00	0.00	1,465.31	0.00	1,465.31	86.60	0.00	3,283.86
Water						0.00	0.00		0.00	0.00	0.00	953.90	953.90	4.63	0.13	1,091.39
Total	20.63	18.55	94.99	0.20	19.19	0.95	20.62	0.30	0.91	1.69	1,465.31	23,002.28	24,467.59	92.00	0.27	26,483.19

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					2.35	0.00	2.35	1.29	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.78	5.40	4.03	0.01		0.22	0.22		0.22	0.22	0.00	942.94	942.94	0.06	0.00	944.27
Total	0.78	5.40	4.03	0.01	2.35	0.22	2.57	1.29	0.22	1.51	0.00	942.94	942.94	0.06	0.00	944.27

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	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.16	18.16	0.00	0.00	18.17
Total	0.01	0.01	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.16	18.16	0.00	0.00	18.17

3.2 Site Preparation - 2022

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					0.92	0.00	0.92	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.78	5.40	4.03	0.01		0.22	0.22		0.22	0.22	0.00	942.94	942.94	0.06	0.00	944.27
Total	0.78	5.40	4.03	0.01	0.92	0.22	1.14	0.50	0.22	0.72	0.00	942.94	942.94	0.06	0.00	944.27

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	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.16	18.16	0.00	0.00	18.17
Total	0.01	0.01	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.16	18.16	0.00	0.00	18.17

3.3 Grading - 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					
Fugitive Dust					1.60	0.00	1.60	0.52	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.86	5.20	5.27	0.01		0.21	0.21		0.21	0.21	0.00	1,280.02	1,280.02	0.07	0.00	1,281.48
Total	0.86	5.20	5.27	0.01	1.60	0.21	1.81	0.52	0.21	0.73	0.00	1,280.02	1,280.02	0.07	0.00	1,281.48

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	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.86	19.86	0.00	0.00	19.87
Total	0.01	0.01	0.08	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.86	19.86	0.00	0.00	19.87

3.3 Grading - 2023

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					0.63	0.00	0.63	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.86	5.20	5.27	0.01		0.21	0.21		0.21	0.21	0.00	1,280.02	1,280.02	0.07	0.00	1,281.48
Total	0.86	5.20	5.27	0.01	0.63	0.21	0.84	0.20	0.21	0.41	0.00	1,280.02	1,280.02	0.07	0.00	1,281.48

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	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.86	19.86	0.00	0.00	19.87
Total	0.01	0.01	0.08	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.86	19.86	0.00	0.00	19.87

3.4 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	0.28	1.58	2.87	0.01		0.06	0.06		0.06	0.06	0.00	480.06	480.06	0.02	0.00	480.53
Total	0.28	1.58	2.87	0.01		0.06	0.06		0.06	0.06	0.00	480.06	480.06	0.02	0.00	480.53

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	0.24	2.68	1.81	0.01	0.28	0.08	0.36	0.01	0.07	0.08	0.00	845.68	845.68	0.01	0.00	845.90
Worker	0.53	0.41	4.97	0.02	2.09	0.09	2.17	0.03	0.08	0.11	0.00	1,334.50	1,334.50	0.05	0.00	1,335.56
Total	0.77	3.09	6.78	0.03	2.37	0.17	2.53	0.04	0.15	0.19	0.00	2,180.18	2,180.18	0.06	0.00	2,181.46

3.4 Building Construction - 2024

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	0.28	1.58	2.87	0.01		0.06	0.06		0.06	0.06	0.00	480.06	480.06	0.02	0.00	480.53
Total	0.28	1.58	2.87	0.01		0.06	0.06		0.06	0.06	0.00	480.06	480.06	0.02	0.00	480.53

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	0.24	2.68	1.81	0.01	0.28	0.08	0.36	0.01	0.07	0.08	0.00	845.68	845.68	0.01	0.00	845.90
Worker	0.53	0.41	4.97	0.02	2.09	0.09	2.17	0.03	0.08	0.11	0.00	1,334.50	1,334.50	0.05	0.00	1,335.56
Total	0.77	3.09	6.78	0.03	2.37	0.17	2.53	0.04	0.15	0.19	0.00	2,180.18	2,180.18	0.06	0.00	2,181.46

3.4 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	0.26	1.44	2.85	0.01		0.05	0.05		0.05	0.05	0.00	476.40	476.40	0.02	0.00	476.83
Total	0.26	1.44	2.85	0.01		0.05	0.05		0.05	0.05	0.00	476.40	476.40	0.02	0.00	476.83

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	0.23	2.58	1.74	0.01	0.28	0.07	0.35	0.01	0.07	0.07	0.00	839.89	839.89	0.01	0.00	840.10
Worker	0.50	0.38	4.67	0.02	2.07	0.08	2.16	0.03	0.08	0.11	0.00	1,306.07	1,306.07	0.05	0.00	1,307.08
Total	0.73	2.96	6.41	0.03	2.35	0.15	2.51	0.04	0.15	0.18	0.00	2,145.96	2,145.96	0.06	0.00	2,147.18

3.4 Building Construction - 2025

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	0.26	1.44	2.85	0.01		0.05	0.05		0.05	0.05	0.00	476.40	476.40	0.02	0.00	476.83
Total	0.26	1.44	2.85	0.01		0.05	0.05		0.05	0.05	0.00	476.40	476.40	0.02	0.00	476.83

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	0.23	2.58	1.74	0.01	0.28	0.07	0.35	0.01	0.07	0.07	0.00	839.89	839.89	0.01	0.00	840.10
Worker	0.50	0.38	4.67	0.02	2.07	0.08	2.16	0.03	0.08	0.11	0.00	1,306.07	1,306.07	0.05	0.00	1,307.08
Total	0.73	2.96	6.41	0.03	2.35	0.15	2.51	0.04	0.15	0.18	0.00	2,145.96	2,145.96	0.06	0.00	2,147.18

3.5 Paving - 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	0.32	2.02	2.53	0.00		0.12	0.12		0.12	0.12	0.00	344.00	344.00	0.03	0.00	344.55
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	2.02	2.53	0.00		0.12	0.12		0.12	0.12	0.00	344.00	344.00	0.03	0.00	344.55

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	0.00	0.00	0.00	0.00	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	0.00	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.47	14.47	0.00	0.00	14.48
Total	0.01	0.00	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.47	14.47	0.00	0.00	14.48

3.5 Paving - 2026

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	0.32	2.02	2.53	0.00		0.12	0.12		0.12	0.12	0.00	344.00	344.00	0.03	0.00	344.55
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	2.02	2.53	0.00		0.12	0.12		0.12	0.12	0.00	344.00	344.00	0.03	0.00	344.55

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	0.00	0.00	0.00	0.00	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	0.00	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.47	14.47	0.00	0.00	14.48
Total	0.01	0.00	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.47	14.47	0.00	0.00	14.48

3.6 Architectural Coating - 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					
Archit. Coating	12.73					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.15	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.15	33.15	0.00	0.00	33.19
Total	12.75	0.15	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.15	33.15	0.00	0.00	33.19

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	0.10	0.08	0.94	0.00	0.41	0.02	0.43	0.01	0.02	0.02	0.00	261.41	261.41	0.01	0.00	261.61
Total	0.10	0.08	0.94	0.00	0.41	0.02	0.43	0.01	0.02	0.02	0.00	261.41	261.41	0.01	0.00	261.61

3.6 Architectural Coating - 2026

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	12.73					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.15	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.15	33.15	0.00	0.00	33.19
Total	12.75	0.15	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.15	33.15	0.00	0.00	33.19

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	0.10	0.08	0.94	0.00	0.41	0.02	0.43	0.01	0.02	0.02	0.00	261.41	261.41	0.01	0.00	261.61
Total	0.10	0.08	0.94	0.00	0.41	0.02	0.43	0.01	0.02	0.02	0.00	261.41	261.41	0.01	0.00	261.61

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	6.85	15.82	59.61	0.19	19.19	0.95	20.14	0.30	0.91	1.21	0.00	14,137.19	14,137.19	0.47	0.00	14,147.15
Unmitigated	6.85	15.82	59.61	0.19	19.19	0.95	20.14	0.30	0.91	1.21	0.00	14,137.19	14,137.19	0.47	0.00	14,147.15
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	5,900.10	5,900.10	5900.10	16,756,992	16,756,992
City Park	16.00	16.00	16.00	34,158	34,158
Elementary School	705.50	705.50	705.50	1,555,585	1,555,585
Place of Worship	954.00	954.00	954.00	1,784,635	1,784,635
Single Family Housing	5,348.88	5,348.88	5348.88	15,191,461	15,191,461
Total	12,924.48	12,924.48	12,924.48	35,322,831	35,322,831

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	40.20	19.20	40.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	3,681.91	3,681.91	0.17	0.06	3,704.99
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	3,803.39	3,803.39	0.17	0.07	3,827.23
NaturalGas Mitigated	0.27	2.34	1.03	0.01		0.00	0.19		0.00	0.19	0.00	2,708.42	2,708.42	0.05	0.05	2,724.90
NaturalGas Unmitigated	0.31	2.69	1.18	0.02		0.00	0.22		0.00	0.22	0.00	3,105.63	3,105.63	0.06	0.06	3,124.53
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	2.11211e+007	0.11	0.97	0.41	0.01		0.00	0.08		0.00	0.08	0.00	1,127.10	1,127.10	0.02	0.02	1,133.96
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elementary School	648804	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	34.62	34.62	0.00	0.00	34.83
Place of Worship	1.00879e+006	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	53.83	53.83	0.00	0.00	54.16
Single Family Housing	3.54187e+007	0.19	1.63	0.69	0.01		0.00	0.13		0.00	0.13	0.00	1,890.08	1,890.08	0.04	0.03	1,901.58
Total		0.31	2.68	1.17	0.02		0.00	0.21		0.00	0.21	0.00	3,105.63	3,105.63	0.06	0.05	3,124.53

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	1.83634e+007	0.10	0.85	0.36	0.01		0.00	0.07		0.00	0.07	0.00	979.94	979.94	0.02	0.02	985.90
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elementary School	570564	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	30.45	30.45	0.00	0.00	30.63
Place of Worship	935333	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	49.91	49.91	0.00	0.00	50.22
Single Family Housing	3.08846e+007	0.17	1.42	0.61	0.01		0.00	0.12		0.00	0.12	0.00	1,648.12	1,648.12	0.03	0.03	1,658.15
Total		0.28	2.35	1.03	0.02		0.00	0.19		0.00	0.19	0.00	2,708.42	2,708.42	0.05	0.05	2,724.90

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	5.80182e+006					1,687.58	0.08	0.03	1,698.16
City Park	0					0.00	0.00	0.00	0.00
Elementary School	645961					187.89	0.01	0.00	189.07
Place of Worship	335455					97.57	0.00	0.00	98.19
Single Family Housing	6.29264e+006					1,830.35	0.08	0.03	1,841.82
Total						3,803.39	0.17	0.06	3,827.24

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	5.59589e+006					1,627.68	0.07	0.03	1,637.88
City Park	0					0.00	0.00	0.00	0.00
Elementary School	609719					177.35	0.01	0.00	178.46
Place of Worship	323227					94.02	0.00	0.00	94.61
Single Family Housing	6.12941e+006					1,782.87	0.08	0.03	1,794.04
Total						3,681.92	0.16	0.06	3,704.99

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	13.51	0.39	34.35	0.00		0.00	0.29		0.00	0.29	0.00	1,520.86	1,520.86	0.08	0.03	1,530.90
Unmitigated	20.85	0.58	48.54	0.02		0.00	2.41		0.00	2.41	239.95	1,439.49	1,679.44	0.79	0.03	1,706.25
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	1.27					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	11.06					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	7.49	0.19	14.20	0.02		0.00	2.22		0.00	2.22	239.95	1,383.30	1,623.25	0.73	0.03	1,648.93
Landscaping	1.03	0.39	34.35	0.00		0.00	0.19		0.00	0.19	0.00	56.19	56.19	0.05	0.00	57.32
Total	20.85	0.58	48.55	0.02		0.00	2.41		0.00	2.41	239.95	1,439.49	1,679.44	0.78	0.03	1,706.25

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.27					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	11.06					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.15	0.00	0.01	0.00		0.00	0.10		0.00	0.10	0.00	1,464.67	1,464.67	0.03	0.03	1,473.58
Landscaping	1.03	0.39	34.35	0.00		0.00	0.19		0.00	0.19	0.00	56.19	56.19	0.05	0.00	57.32
Total	13.51	0.39	34.36	0.00		0.00	0.29		0.00	0.29	0.00	1,520.86	1,520.86	0.08	0.03	1,530.90

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					953.90	4.63	0.13	1,091.39
Unmitigated					953.90	4.63	0.13	1,091.39
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	90.2383 / 56.8894					526.63	2.78	0.08	608.94
City Park	0 / 19.0637					61.61	0.00	0.00	61.99
Elementary School	2.0606 / 5.2987					24.95	0.06	0.00	26.91
Place of Worship	0.948149 / 1.483					8.39	0.03	0.00	9.28
Single Family Housing	56.9446 / 35.8999					332.33	1.75	0.05	384.27
Total						953.91	4.62	0.13	1,091.39

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	90.2383 / 56.8894					526.63	2.78	0.08	608.94
City Park	0 / 19.0637					61.61	0.00	0.00	61.99
Elementary School	2.0606 / 5.2987					24.95	0.06	0.00	26.91
Place of Worship	0.948149 / 1.483					8.39	0.03	0.00	9.28
Single Family Housing	56.9446 / 35.8999					332.33	1.75	0.05	384.27
Total						953.91	4.62	0.13	1,091.39

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					1,465.31	86.60	0.00	3,283.86
Unmitigated					1,465.31	86.60	0.00	3,283.86
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	637.1					129.33	7.64	0.00	289.83
City Park	1.38					0.28	0.02	0.00	0.63
Elementary School	155.13					31.49	1.86	0.00	70.57
Place of Worship	5400					1,096.15	64.78	0.00	2,456.55
Single Family Housing	1025					208.07	12.30	0.00	466.29
Total						1,465.32	86.60	0.00	3,283.87

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	637.1					129.33	7.64	0.00	289.83
City Park	1.38					0.28	0.02	0.00	0.63
Elementary School	155.13					31.49	1.86	0.00	70.57
Place of Worship	5400					1,096.15	64.78	0.00	2,456.55
Single Family Housing	1025					208.07	12.30	0.00	466.29
Total						1,465.32	86.60	0.00	3,283.87

9.0 Vegetation

Alberhill Phase 2
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Elementary School	850	Student
Place of Worship	600	Seat
City Park	16	Acre
Apartments Mid Rise	1385	Dwelling Unit
Single Family Housing	874	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2022 to end of 2026

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	6.06	41.63	31.61	0.08	18.30	1.67	19.97	9.93	1.67	11.60	0.00	8,161.41	0.00	0.54	0.00	8,172.82
2023	6.70	40.07	41.18	0.10	12.61	1.61	14.21	3.31	1.61	4.92	0.00	11,035.73	0.00	0.60	0.00	11,048.27
2024	8.00	35.84	74.50	0.26	20.05	1.67	21.72	0.30	1.58	1.88	0.00	23,129.61	0.00	0.72	0.00	23,144.66
2025	7.66	34.02	71.98	0.26	20.05	1.58	21.63	0.30	1.49	1.79	0.00	22,973.33	0.00	0.68	0.00	22,987.60
2026	101.44	17.30	29.31	0.06	3.73	1.14	4.88	0.05	1.13	1.18	0.00	5,687.76	0.00	0.33	0.00	5,694.66
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1 Overall Construction (Maximum Daily Emission)

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					
2022	6.06	41.63	31.61	0.08	7.28	1.67	8.95	3.88	1.67	5.55	0.00	8,161.41	0.00	0.54	0.00	8,172.82
2023	6.70	40.07	41.18	0.10	5.08	1.61	6.68	1.29	1.61	2.90	0.00	11,035.73	0.00	0.60	0.00	11,048.27
2024	8.00	35.84	74.50	0.26	20.05	1.67	21.72	0.30	1.58	1.88	0.00	23,129.61	0.00	0.72	0.00	23,144.66
2025	7.66	34.02	71.98	0.26	20.05	1.58	21.63	0.30	1.49	1.79	0.00	22,973.33	0.00	0.68	0.00	22,987.60
2026	101.44	17.30	29.31	0.06	3.73	1.14	4.88	0.05	1.13	1.18	0.00	5,687.76	0.00	0.33	0.00	5,694.66
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	313.65	13.19	936.12	1.82		0.00	120.49		0.00	120.47	15,941.16	41,001.66		63.43	0.98	58,577.27
Energy	1.72	14.72	6.45	0.09		0.00	1.19		0.00	1.19		18,758.22		0.36	0.34	18,872.38
Mobile	39.42	86.51	332.70	1.10	116.95	5.20	122.15	1.66	5.00	6.66		89,814.11		2.90		89,875.02
Total	354.79	114.42	1,275.27	3.01	116.95	5.20	243.83	1.66	5.00	128.32	15,941.16	149,573.99		66.69	1.32	167,324.67

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	77.15	2.16	188.58	0.01		0.00	3.77		0.00	3.74	0.00	43,393.54		1.15	0.79	43,662.38
Energy	1.50	12.84	5.63	0.08		0.00	1.04		0.00	1.04		16,359.03		0.31	0.30	16,458.59
Mobile	39.42	86.51	332.70	1.10	116.95	5.20	122.15	1.66	5.00	6.66		89,814.11		2.90		89,875.02
Total	118.07	101.51	526.91	1.19	116.95	5.20	126.96	1.66	5.00	11.44	0.00	149,566.68		4.36	1.09	149,995.99

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	6.00	41.58	31.01	0.07		1.66	1.66		1.66	1.66		7,997.69		0.54		8,008.96
Total	6.00	41.58	31.01	0.07	18.07	1.66	19.73	9.93	1.66	11.59		7,997.69		0.54		8,008.96

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.06	0.05	0.60	0.00	0.23	0.01	0.24	0.00	0.01	0.01		163.72		0.01		163.86
Total	0.06	0.05	0.60	0.00	0.23	0.01	0.24	0.00	0.01	0.01		163.72		0.01		163.86

3.2 Site Preparation - 2022

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					7.05	0.00	7.05	3.87	0.00	3.87						0.00
Off-Road	6.00	41.58	31.01	0.07		1.66	1.66		1.66	1.66	0.00	7,997.69		0.54		8,008.96
Total	6.00	41.58	31.01	0.07	7.05	1.66	8.71	3.87	1.66	5.53	0.00	7,997.69		0.54		8,008.96

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.06	0.05	0.60	0.00	0.23	0.01	0.24	0.00	0.01	0.01		163.72		0.01		163.86
Total	0.06	0.05	0.60	0.00	0.23	0.01	0.24	0.00	0.01	0.01		163.72		0.01		163.86

3.3 Grading - 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					
Fugitive Dust					12.34	0.00	12.34	3.31	0.00	3.31						0.00
Off-Road	6.64	40.03	40.55	0.10		1.60	1.60		1.60	1.60		10,856.65		0.59		10,869.05
Total	6.64	40.03	40.55	0.10	12.34	1.60	13.94	3.31	1.60	4.91		10,856.65		0.59		10,869.05

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	0.06	0.05	0.63	0.00	0.26	0.01	0.27	0.00	0.01	0.01		179.08		0.01		179.22
Total	0.06	0.05	0.63	0.00	0.26	0.01	0.27	0.00	0.01	0.01		179.08		0.01		179.22

3.3 Grading - 2023

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					4.81	0.00	4.81	1.29	0.00	1.29						0.00
Off-Road	6.64	40.03	40.55	0.10		1.60	1.60		1.60	1.60	0.00	10,856.65		0.59		10,869.05
Total	6.64	40.03	40.55	0.10	4.81	1.60	6.41	1.29	1.60	2.89	0.00	10,856.65		0.59		10,869.05

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	0.06	0.05	0.63	0.00	0.26	0.01	0.27	0.00	0.01	0.01		179.08		0.01		179.22
Total	0.06	0.05	0.63	0.00	0.26	0.01	0.27	0.00	0.01	0.01		179.08		0.01		179.22

3.4 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	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45		4,040.62		0.19		4,044.56
Total	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45		4,040.62		0.19		4,044.56

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.74	20.76	12.24	0.07	2.37	0.58	2.95	0.06	0.53	0.59		7,143.51		0.08		7,145.26
Worker	4.15	3.03	40.31	0.15	17.67	0.65	18.33	0.24	0.61	0.84		11,945.48		0.45		11,954.85
Total	5.89	23.79	52.55	0.22	20.04	1.23	21.28	0.30	1.14	1.43		19,088.99		0.53		19,100.11

3.4 Building Construction - 2024

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	12.06	21.95	0.04		0.45	0.45		0.45	0.45	0.00	4,040.62		0.19		4,044.56
Total	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45	0.00	4,040.62		0.19		4,044.56

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.74	20.76	12.24	0.07	2.37	0.58	2.95	0.06	0.53	0.59		7,143.51		0.08		7,145.26
Worker	4.15	3.03	40.31	0.15	17.67	0.65	18.33	0.24	0.61	0.84		11,945.48		0.45		11,954.85
Total	5.89	23.79	52.55	0.22	20.04	1.23	21.28	0.30	1.14	1.43		19,088.99		0.53		19,100.11

3.4 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	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38		4,040.62		0.17		4,044.28
Total	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38		4,040.62		0.17		4,044.28

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	1.68	20.14	11.81	0.07	2.37	0.55	2.92	0.06	0.50	0.56		7,149.48		0.08		7,151.17
Worker	3.98	2.83	38.24	0.15	17.67	0.65	18.33	0.24	0.60	0.84		11,783.22		0.43		11,792.15
Total	5.66	22.97	50.05	0.22	20.04	1.20	21.25	0.30	1.10	1.40		18,932.70		0.51		18,943.32

3.4 Building Construction - 2025

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	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38	0.00	4,040.62		0.17		4,044.28
Total	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38	0.00	4,040.62		0.17		4,044.28

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	1.68	20.14	11.81	0.07	2.37	0.55	2.92	0.06	0.50	0.56		7,149.48		0.08		7,151.17
Worker	3.98	2.83	38.24	0.15	17.67	0.65	18.33	0.24	0.60	0.84		11,783.22		0.43		11,792.15
Total	5.66	22.97	50.05	0.22	20.04	1.20	21.25	0.30	1.10	1.40		18,932.70		0.51		18,943.32

3.5 Paving - 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	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96		2,917.65		0.22		2,922.34
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96		2,917.65		0.22		2,922.34

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	0.04	0.03	0.42	0.00	0.20	0.01	0.20	0.00	0.01	0.01		130.54		0.00		130.64
Total	0.04	0.03	0.42	0.00	0.20	0.01	0.20	0.00	0.01	0.01		130.54		0.00		130.64

3.5 Paving - 2026

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	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96	0.00	2,917.65		0.22		2,922.34
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96	0.00	2,917.65		0.22		2,922.34

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	0.04	0.03	0.42	0.00	0.20	0.01	0.20	0.00	0.01	0.01		130.54		0.00		130.64
Total	0.04	0.03	0.42	0.00	0.20	0.01	0.20	0.00	0.01	0.01		130.54		0.00		130.64

3.6 Architectural Coating - 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					
Archit. Coating	97.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05		281.19		0.02		281.51
Total	98.11	1.14	1.81	0.00		0.05	0.05		0.05	0.05		281.19		0.02		281.51

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	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	0.80	0.57	7.65	0.03	3.54	0.13	3.67	0.05	0.12	0.17		2,358.39		0.09		2,360.17
Total	0.80	0.57	7.65	0.03	3.54	0.13	3.67	0.05	0.12	0.17		2,358.39		0.09		2,360.17

3.6 Architectural Coating - 2026

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	97.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05	0.00	281.19		0.02		281.51
Total	98.11	1.14	1.81	0.00		0.05	0.05		0.05	0.05	0.00	281.19		0.02		281.51

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	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	0.80	0.57	7.65	0.03	3.54	0.13	3.67	0.05	0.12	0.17		2,358.39		0.09		2,360.17
Total	0.80	0.57	7.65	0.03	3.54	0.13	3.67	0.05	0.12	0.17		2,358.39		0.09		2,360.17

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	39.42	86.51	332.70	1.10	116.95	5.20	122.15	1.66	5.00	6.66		89,814.11		2.90		89,875.02
Unmitigated	39.42	86.51	332.70	1.10	116.95	5.20	122.15	1.66	5.00	6.66		89,814.11		2.90		89,875.02
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	5,900.10	5,900.10	5900.10	16,756,992	16,756,992
City Park	16.00	16.00	16.00	34,158	34,158
Elementary School	705.50	705.50	705.50	1,555,585	1,555,585
Place of Worship	954.00	954.00	954.00	1,784,635	1,784,635
Single Family Housing	5,348.88	5,348.88	5348.88	15,191,461	15,191,461
Total	12,924.48	12,924.48	12,924.48	35,322,831	35,322,831

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	40.20	19.20	40.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.50	12.84	5.63	0.08		0.00	1.04		0.00	1.04		16,359.03		0.31	0.30	16,458.59
NaturalGas Unmitigated	1.72	14.72	6.45	0.09		0.00	1.19		0.00	1.19		18,758.22		0.36	0.34	18,872.38
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	57866.1	0.62	5.33	2.27	0.03		0.00	0.43		0.00	0.43		6,807.77		0.13	0.12	6,849.20
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Elementary School	1777.54	0.02	0.17	0.15	0.00		0.00	0.01		0.00	0.01		209.12		0.00	0.00	210.40
Place of Worship	2763.8	0.03	0.27	0.23	0.00		0.00	0.02		0.00	0.02		325.15		0.01	0.01	327.13
Single Family Housing	97037.5	1.05	8.94	3.81	0.06		0.00	0.72		0.00	0.72		11,416.17		0.22	0.21	11,485.65
Total		1.72	14.71	6.46	0.09		0.00	1.18		0.00	1.18		18,758.21		0.36	0.34	18,872.38

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	50.3107	0.54	4.64	1.97	0.03		0.00	0.37		0.00	0.37		5,918.90		0.11	0.11	5,954.92
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Elementary School	1.56319	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01		183.90		0.00	0.00	185.02
Place of Worship	2.56256	0.03	0.25	0.21	0.00		0.00	0.02		0.00	0.02		301.48		0.01	0.01	303.31
Single Family Housing	84.6154	0.91	7.80	3.32	0.05		0.00	0.63		0.00	0.63		9,954.75		0.19	0.18	10,015.33
Total		1.50	12.84	5.63	0.08		0.00	1.03		0.00	1.03		16,359.03		0.31	0.30	16,458.58

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	77.15	2.16	188.58	0.01		0.00	3.77		0.00	3.74	0.00	43,393.54		1.15	0.79	43,662.38
Unmitigated	313.65	13.19	936.12	1.82		0.00	120.49		0.00	120.47	15,941.16	41,001.66		63.43	0.98	58,577.27
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	6.98					0.00	0.00		0.00	0.00						0.00
Consumer Products	60.58					0.00	0.00		0.00	0.00						0.00
Hearth	240.44	11.03	747.75	1.81		0.00	119.45		0.00	119.43	15,941.16	40,662.00		63.10	0.98	58,230.79
Landscaping	5.65	2.16	188.37	0.01		0.00	1.04		0.00	1.04		339.66		0.32		346.48
Total	313.65	13.19	936.12	1.82		0.00	120.49		0.00	120.47	15,941.16	41,001.66		63.42	0.98	58,577.27

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.98					0.00	0.00		0.00	0.00						0.00
Consumer Products	60.58					0.00	0.00		0.00	0.00						0.00
Hearth	3.95	0.00	0.22	0.00		0.00	2.73		0.00	2.70	0.00	43,053.88		0.83	0.79	43,315.90
Landscaping	5.65	2.16	188.37	0.01		0.00	1.04		0.00	1.04		339.66		0.32		346.48
Total	77.16	2.16	188.59	0.01		0.00	3.77		0.00	3.74	0.00	43,393.54		1.15	0.79	43,662.38

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Alberhill Phase 3
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
City Park	15	Acre
Single Family Housing	25	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2027 to end of 2031

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.68	4.31	3.78	0.01	2.37	0.16	2.53	1.29	0.16	1.45	0.00	956.61	956.61	0.06	0.00	957.78
2028	0.79	4.32	5.20	0.01	0.86	0.17	1.03	0.44	0.17	0.60	0.00	1,299.31	1,299.31	0.06	0.00	1,300.66
2029	0.49	4.03	4.63	0.01	0.29	0.12	0.42	0.01	0.12	0.12	0.00	1,330.07	1,330.07	0.03	0.00	1,330.71
2030	0.42	3.40	4.41	0.01	0.29	0.09	0.38	0.01	0.08	0.09	0.00	1,326.95	1,326.95	0.03	0.00	1,327.51
2031	0.44	1.63	2.78	0.00	0.03	0.07	0.10	0.00	0.07	0.07	0.00	392.73	392.73	0.02	0.00	393.18
Total	2.82	17.69	20.80	0.04	3.84	0.61	4.46	1.75	0.60	2.33	0.00	5,305.67	5,305.67	0.20	0.00	5,309.84

2.1 Overall Construction

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					
2027	0.68	4.31	3.78	0.01	0.94	0.16	1.10	0.50	0.16	0.66	0.00	956.61	956.61	0.06	0.00	957.78
2028	0.79	4.32	5.20	0.01	0.35	0.17	0.52	0.17	0.17	0.34	0.00	1,299.31	1,299.31	0.06	0.00	1,300.66
2029	0.49	4.03	4.63	0.01	0.29	0.12	0.42	0.01	0.12	0.12	0.00	1,330.07	1,330.07	0.03	0.00	1,330.71
2030	0.42	3.40	4.41	0.01	0.29	0.09	0.38	0.01	0.08	0.09	0.00	1,326.95	1,326.95	0.03	0.00	1,327.51
2031	0.44	1.63	2.78	0.00	0.03	0.07	0.10	0.00	0.07	0.07	0.00	392.73	392.73	0.02	0.00	393.18
Total	2.82	17.69	20.80	0.04	1.90	0.61	2.52	0.69	0.60	1.28	0.00	5,305.67	5,305.67	0.20	0.00	5,309.84

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	3.09	0.08	5.87	0.01		0.00	0.86		0.00	0.86	92.84	535.82	628.65	0.28	0.01	638.60
Energy	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00	0.00	106.42	106.42	0.00	0.00	107.08
Mobile	0.08	0.18	0.66	0.00	0.25	0.01	0.27	0.00	0.01	0.02	0.00	181.92	181.92	0.01	0.00	182.03
Waste						0.00	0.00		0.00	0.00	208.35	0.00	208.35	12.31	0.00	466.92
Water						0.00	0.00		0.00	0.00	0.00	393.93	393.93	1.76	0.05	446.26
Total	3.18	0.31	6.55	0.01	0.25	0.01	1.13	0.00	0.01	0.88	301.19	1,218.09	1,519.27	14.36	0.06	1,840.89

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.25	0.00	0.38	0.00		0.00	0.04		0.00	0.04	0.00	567.30	567.30	0.01	0.01	570.76
Energy	0.00	0.04	0.02	0.00		0.00	0.00		0.00	0.00	0.00	98.14	98.14	0.00	0.00	98.75
Mobile	0.08	0.18	0.66	0.00	0.25	0.01	0.27	0.00	0.01	0.02	0.00	181.92	181.92	0.01	0.00	182.03
Waste						0.00	0.00		0.00	0.00	208.35	0.00	208.35	12.31	0.00	466.92
Water						0.00	0.00		0.00	0.00	0.00	393.93	393.93	1.76	0.05	446.26
Total	0.33	0.22	1.06	0.00	0.25	0.01	0.31	0.00	0.01	0.06	208.35	1,241.29	1,449.64	14.09	0.06	1,764.72

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					2.34	0.00	2.34	1.29	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.68	4.31	3.72	0.01		0.16	0.16		0.16	0.16	0.00	939.32	939.32	0.06	0.00	940.47
Total	0.68	4.31	3.72	0.01	2.34	0.16	2.50	1.29	0.16	1.45	0.00	939.32	939.32	0.06	0.00	940.47

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	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.30	17.30	0.00	0.00	17.31
Total	0.01	0.01	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.30	17.30	0.00	0.00	17.31

3.2 Site Preparation - 2027

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					0.91	0.00	0.91	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.68	4.31	3.72	0.01		0.16	0.16		0.16	0.16	0.00	939.32	939.32	0.06	0.00	940.47
Total	0.68	4.31	3.72	0.01	0.91	0.16	1.07	0.50	0.16	0.66	0.00	939.32	939.32	0.06	0.00	940.47

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	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.30	17.30	0.00	0.00	17.31
Total	0.01	0.01	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.30	17.30	0.00	0.00	17.31

3.3 Grading - 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					
Fugitive Dust					0.83	0.00	0.83	0.44	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.79	4.32	5.13	0.01		0.17	0.17		0.17	0.17	0.00	1,280.02	1,280.02	0.06	0.00	1,281.36
Total	0.79	4.32	5.13	0.01	0.83	0.17	1.00	0.44	0.17	0.61	0.00	1,280.02	1,280.02	0.06	0.00	1,281.36

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	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.29	19.29	0.00	0.00	19.31
Total	0.01	0.01	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.29	19.29	0.00	0.00	19.31

3.3 Grading - 2028

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	0.17	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.79	4.32	5.13	0.01		0.17	0.17		0.17	0.17	0.00	1,280.02	1,280.02	0.06	0.00	1,281.36
Total	0.79	4.32	5.13	0.01	0.32	0.17	0.49	0.17	0.17	0.34	0.00	1,280.02	1,280.02	0.06	0.00	1,281.36

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	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.29	19.29	0.00	0.00	19.31
Total	0.01	0.01	0.07	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.29	19.29	0.00	0.00	19.31

3.4 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	0.26	1.44	2.86	0.01		0.05	0.05		0.05	0.05	0.00	478.23	478.23	0.02	0.00	478.66
Total	0.26	1.44	2.86	0.01		0.05	0.05		0.05	0.05	0.00	478.23	478.23	0.02	0.00	478.66

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	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	0.23	2.59	1.74	0.01	0.28	0.07	0.35	0.01	0.07	0.07	0.00	843.12	843.12	0.01	0.00	843.33
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	8.71	8.71	0.00	0.00	8.72
Total	0.23	2.59	1.77	0.01	0.29	0.07	0.36	0.01	0.07	0.07	0.00	851.83	851.83	0.01	0.00	852.05

3.4 Building Construction - 2029

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	0.26	1.44	2.86	0.01		0.05	0.05		0.05	0.05	0.00	478.23	478.23	0.02	0.00	478.66
Total	0.26	1.44	2.86	0.01		0.05	0.05		0.05	0.05	0.00	478.23	478.23	0.02	0.00	478.66

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	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	0.23	2.59	1.74	0.01	0.28	0.07	0.35	0.01	0.07	0.07	0.00	843.12	843.12	0.01	0.00	843.33
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	8.71	8.71	0.00	0.00	8.72
Total	0.23	2.59	1.77	0.01	0.29	0.07	0.36	0.01	0.07	0.07	0.00	851.83	851.83	0.01	0.00	852.05

3.4 Building Construction - 2030

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	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76
Total	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76

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	0.20	2.36	1.55	0.01	0.28	0.06	0.34	0.01	0.06	0.06	0.00	842.31	842.31	0.01	0.00	842.49
Worker	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	8.25	8.25	0.00	0.00	8.25
Total	0.20	2.36	1.57	0.01	0.29	0.06	0.35	0.01	0.06	0.06	0.00	850.56	850.56	0.01	0.00	850.74

3.4 Building Construction - 2030

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	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76
Total	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76

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	0.20	2.36	1.55	0.01	0.28	0.06	0.34	0.01	0.06	0.06	0.00	842.31	842.31	0.01	0.00	842.49
Worker	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	8.25	8.25	0.00	0.00	8.25
Total	0.20	2.36	1.57	0.01	0.29	0.06	0.35	0.01	0.06	0.06	0.00	850.56	850.56	0.01	0.00	850.74

3.5 Paving - 2031

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	1.52	2.50	0.00		0.07	0.07		0.07	0.07	0.00	344.00	344.00	0.02	0.00	344.41
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	1.52	2.50	0.00		0.07	0.07		0.07	0.07	0.00	344.00	344.00	0.02	0.00	344.41

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	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.74	13.74	0.00	0.00	13.75
Total	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.74	13.74	0.00	0.00	13.75

3.5 Paving - 2031

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	1.52	2.50	0.00		0.07	0.07		0.07	0.07	0.00	344.00	344.00	0.02	0.00	344.41
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	1.52	2.50	0.00		0.07	0.07		0.07	0.07	0.00	344.00	344.00	0.02	0.00	344.41

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	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.74	13.74	0.00	0.00	13.75
Total	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.74	13.74	0.00	0.00	13.75

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.18					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.11	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18
Total	0.20	0.11	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.83	0.00	0.00	1.83
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.83	0.00	0.00	1.83

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.18					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.11	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18
Total	0.20	0.11	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.83	0.00	0.00	1.83
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.83	0.00	0.00	1.83

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	0.08	0.18	0.66	0.00	0.25	0.01	0.27	0.00	0.01	0.02	0.00	181.92	181.92	0.01	0.00	182.03
Unmitigated	0.08	0.18	0.66	0.00	0.25	0.01	0.27	0.00	0.01	0.02	0.00	181.92	181.92	0.01	0.00	182.03
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
City Park	15.00	15.00	15.00	32,023	32,023
Single Family Housing	153.00	153.00	153.00	434,538	434,538
Total	168.00	168.00	168.00	466,561	466,561

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	51.00	51.00	0.00	0.00	51.32
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	52.36	52.36	0.00	0.00	52.68
NaturalGas Mitigated	0.00	0.04	0.02	0.00		0.00	0.00		0.00	0.00	0.00	47.14	47.14	0.00	0.00	47.43
NaturalGas Unmitigated	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00	0.00	54.06	54.06	0.00	0.00	54.39
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					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	1.01312e+006	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00	0.00	54.06	54.06	0.00	0.00	54.39
Total		0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00	0.00	54.06	54.06	0.00	0.00	54.39

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					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	883427	0.00	0.04	0.02	0.00		0.00	0.00		0.00	0.00	0.00	47.14	47.14	0.00	0.00	47.43
Total		0.00	0.04	0.02	0.00		0.00	0.00		0.00	0.00	0.00	47.14	47.14	0.00	0.00	47.43

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			
City Park	0					0.00	0.00	0.00	0.00
Single Family Housing	179996					52.36	0.00	0.00	52.68
Total						52.36	0.00	0.00	52.68

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
City Park	0					0.00	0.00	0.00	0.00
Single Family Housing	175326					51.00	0.00	0.00	51.32
Total						51.00	0.00	0.00	51.32

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.25	0.00	0.38	0.00		0.00	0.04		0.00	0.04	0.00	567.30	567.30	0.01	0.01	570.76
Unmitigated	3.09	0.08	5.87	0.01		0.00	0.86		0.00	0.86	92.84	535.82	628.65	0.28	0.01	638.60
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.16					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	2.90	0.07	5.49	0.01		0.00	0.86		0.00	0.86	92.84	535.19	628.03	0.28	0.01	637.97
Landscaping	0.01	0.00	0.38	0.00		0.00	0.00		0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.63
Total	3.09	0.07	5.87	0.01		0.00	0.86		0.00	0.86	92.84	535.81	628.65	0.28	0.01	638.60

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.16					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.06	0.00	0.00	0.00		0.00	0.04		0.00	0.04	0.00	566.68	566.68	0.01	0.01	570.12
Landscaping	0.01	0.00	0.38	0.00		0.00	0.00		0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.63
Total	0.25	0.00	0.38	0.00		0.00	0.04		0.00	0.04	0.00	567.30	567.30	0.01	0.01	570.75

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					393.93	1.76	0.05	446.26
Unmitigated					393.93	1.76	0.05	446.26
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			
City Park	0 / 19.0637					61.61	0.00	0.00	61.99
Single Family Housing	56.9446 / 35.8999					332.33	1.75	0.05	384.27
Total						393.94	1.75	0.05	446.26

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
City Park	0 / 19.0637					61.61	0.00	0.00	61.99
Single Family Housing	56.9446 / 35.8999					332.33	1.75	0.05	384.27
Total						393.94	1.75	0.05	446.26

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					208.35	12.31	0.00	466.92
Unmitigated					208.35	12.31	0.00	466.92
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			
City Park	1.38					0.28	0.02	0.00	0.63
Single Family Housing	1025					208.07	12.30	0.00	466.29
Total						208.35	12.32	0.00	466.92

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
City Park	1.38					0.28	0.02	0.00	0.63
Single Family Housing	1025					208.07	12.30	0.00	466.29
Total						208.35	12.32	0.00	466.92

9.0 Vegetation

Alberhill Phase 3
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
City Park	15	Acre
Single Family Housing	25	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2027 to end of 2031

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	5.29	33.31	29.24	0.08	18.30	1.26	19.56	9.93	1.25	11.19	0.00	8,154.33	0.00	0.47	0.00	8,164.31
2028	6.10	33.25	40.04	0.10	6.64	1.30	7.94	3.31	1.30	4.61	0.00	11,030.70	0.00	0.55	0.00	11,042.18
2029	3.70	31.21	33.99	0.11	2.49	0.93	3.43	0.06	0.89	0.95	0.00	11,268.42	0.00	0.26	0.00	11,273.83
2030	3.18	26.49	32.52	0.11	2.49	0.65	3.14	0.06	0.61	0.68	0.00	11,286.36	0.00	0.22	0.00	11,291.01
2031	3.41	12.58	21.39	0.04	0.22	0.55	0.77	0.00	0.55	0.55	0.00	3,339.49	0.00	0.18	0.00	3,343.36
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1 Overall Construction (Maximum Daily Emission)

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					
2027	5.29	33.31	29.24	0.08	7.28	1.26	8.54	3.88	1.25	5.13	0.00	8,154.33	0.00	0.47	0.00	8,164.31
2028	6.10	33.25	40.04	0.10	2.75	1.30	4.05	1.29	1.30	2.59	0.00	11,030.70	0.00	0.55	0.00	11,042.18
2029	3.70	31.21	33.99	0.11	2.49	0.93	3.43	0.06	0.89	0.95	0.00	11,268.42	0.00	0.26	0.00	11,273.83
2030	3.18	26.49	32.52	0.11	2.49	0.65	3.14	0.06	0.61	0.68	0.00	11,286.36	0.00	0.22	0.00	11,291.01
2031	3.41	12.58	21.39	0.04	0.22	0.55	0.77	0.00	0.55	0.55	0.00	3,339.49	0.00	0.18	0.00	3,343.36
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	94.08	4.29	291.38	0.70		0.00	46.23		0.00	46.22	6,167.58	15,735.76		24.42	0.38	22,533.14
Energy	0.03	0.26	0.11	0.00		0.00	0.02		0.00	0.02		326.55		0.01	0.01	328.54
Mobile	0.45	1.02	3.70	0.01	1.54	0.07	1.61	0.02	0.06	0.09		1,155.39		0.03		1,156.13
Total	94.56	5.57	295.19	0.71	1.54	0.07	47.86	0.02	0.06	46.33	6,167.58	17,217.70		24.46	0.39	24,017.81

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.58	0.02	2.16	0.00		0.00	1.07		0.00	1.06	0.00	16,661.17		0.32	0.31	16,762.62
Energy	0.03	0.22	0.09	0.00		0.00	0.02		0.00	0.02		284.75		0.01	0.01	286.48
Mobile	0.45	1.02	3.70	0.01	1.54	0.07	1.61	0.02	0.06	0.09		1,155.39		0.03		1,156.13
Total	3.06	1.26	5.95	0.01	1.54	0.07	2.70	0.02	0.06	1.17	0.00	18,101.31		0.36	0.32	18,205.23

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	5.24	33.27	28.74	0.07		1.25	1.25		1.25	1.25		7,997.69		0.47		8,007.54
Total	5.24	33.27	28.74	0.07	18.07	1.25	19.32	9.93	1.25	11.18		7,997.69		0.47		8,007.54

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	0.05	0.04	0.51	0.00	0.23	0.01	0.24	0.00	0.01	0.01		156.65		0.01		156.76
Total	0.05	0.04	0.51	0.00	0.23	0.01	0.24	0.00	0.01	0.01		156.65		0.01		156.76

3.2 Site Preparation - 2027

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					7.05	0.00	7.05	3.87	0.00	3.87						0.00
Off-Road	5.24	33.27	28.74	0.07		1.25	1.25		1.25	1.25	0.00	7,997.69		0.47		8,007.54
Total	5.24	33.27	28.74	0.07	7.05	1.25	8.30	3.87	1.25	5.12	0.00	7,997.69		0.47		8,007.54

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	0.05	0.04	0.51	0.00	0.23	0.01	0.24	0.00	0.01	0.01		156.65		0.01		156.76
Total	0.05	0.04	0.51	0.00	0.23	0.01	0.24	0.00	0.01	0.01		156.65		0.01		156.76

3.3 Grading - 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					
Fugitive Dust					6.38	0.00	6.38	3.31	0.00	3.31						0.00
Off-Road	6.04	33.21	39.48	0.10		1.29	1.29		1.29	1.29		10,856.65		0.54		10,868.00
Total	6.04	33.21	39.48	0.10	6.38	1.29	7.67	3.31	1.29	4.60		10,856.65		0.54		10,868.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.06	0.04	0.56	0.00	0.26	0.01	0.27	0.00	0.01	0.01		174.05		0.01		174.18
Total	0.06	0.04	0.56	0.00	0.26	0.01	0.27	0.00	0.01	0.01		174.05		0.01		174.18

3.3 Grading - 2028

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					2.49	0.00	2.49	1.29	0.00	1.29						0.00
Off-Road	6.04	33.21	39.48	0.10		1.29	1.29		1.29	1.29	0.00	10,856.65		0.54		10,868.00
Total	6.04	33.21	39.48	0.10	2.49	1.29	3.78	1.29	1.29	2.58	0.00	10,856.65		0.54		10,868.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.06	0.04	0.56	0.00	0.26	0.01	0.27	0.00	0.01	0.01		174.05		0.01		174.18
Total	0.06	0.04	0.56	0.00	0.26	0.01	0.27	0.00	0.01	0.01		174.05		0.01		174.18

3.4 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	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38		4,040.62		0.17		4,044.28
Total	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38		4,040.62		0.17		4,044.28

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	1.68	20.14	11.81	0.07	2.37	0.55	2.92	0.06	0.50	0.56		7,149.48		0.08		7,151.17
Worker	0.03	0.02	0.25	0.00	0.12	0.00	0.12	0.00	0.00	0.01		78.32		0.00		78.38
Total	1.71	20.16	12.06	0.07	2.49	0.55	3.04	0.06	0.50	0.57		7,227.80		0.08		7,229.55

3.4 Building Construction - 2029

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	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38	0.00	4,040.62		0.17		4,044.28
Total	1.99	11.04	21.92	0.04		0.38	0.38		0.38	0.38	0.00	4,040.62		0.17		4,044.28

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	1.68	20.14	11.81	0.07	2.37	0.55	2.92	0.06	0.50	0.56		7,149.48		0.08		7,151.17
Worker	0.03	0.02	0.25	0.00	0.12	0.00	0.12	0.00	0.00	0.01		78.32		0.00		78.38
Total	1.71	20.16	12.06	0.07	2.49	0.55	3.04	0.06	0.50	0.57		7,227.80		0.08		7,229.55

3.4 Building Construction - 2030

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	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18		4,040.61		0.15		4,043.72
Total	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18		4,040.61		0.15		4,043.72

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.50	18.43	10.49	0.07	2.37	0.47	2.84	0.06	0.43	0.49		7,171.28		0.07		7,172.78
Worker	0.02	0.01	0.21	0.00	0.12	0.00	0.12	0.00	0.00	0.01		74.46		0.00		74.51
Total	1.52	18.44	10.70	0.07	2.49	0.47	2.96	0.06	0.43	0.50		7,245.74		0.07		7,247.29

3.4 Building Construction - 2030

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	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18	0.00	4,040.61		0.15		4,043.72
Total	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18	0.00	4,040.61		0.15		4,043.72

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.50	18.43	10.49	0.07	2.37	0.47	2.84	0.06	0.43	0.49		7,171.28		0.07		7,172.78
Worker	0.02	0.01	0.21	0.00	0.12	0.00	0.12	0.00	0.00	0.01		74.46		0.00		74.51
Total	1.52	18.44	10.70	0.07	2.49	0.47	2.96	0.06	0.43	0.50		7,245.74		0.07		7,247.29

3.5 Paving - 2031

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	1.89	11.70	19.20	0.03		0.52	0.52		0.52	0.52		2,917.65		0.17		2,921.18
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.89	11.70	19.20	0.03		0.52	0.52		0.52	0.52		2,917.65		0.17		2,921.18

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.34	0.00	0.20	0.01	0.20	0.00	0.01	0.01		124.11		0.00		124.19
Total	0.04	0.02	0.34	0.00	0.20	0.01	0.20	0.00	0.01	0.01		124.11		0.00		124.19

3.5 Paving - 2031

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	1.89	11.70	19.20	0.03		0.52	0.52		0.52	0.52	0.00	2,917.65		0.17		2,921.18
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.89	11.70	19.20	0.03		0.52	0.52		0.52	0.52	0.00	2,917.65		0.17		2,921.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.34	0.00	0.20	0.01	0.20	0.00	0.01	0.01		124.11		0.00		124.19
Total	0.04	0.02	0.34	0.00	0.20	0.01	0.20	0.00	0.01	0.01		124.11		0.00		124.19

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.35					0.00	0.00		0.00	0.00						0.00
Off-Road	0.13	0.86	1.80	0.00		0.02	0.02		0.02	0.02		281.19		0.01		281.43
Total	1.48	0.86	1.80	0.00		0.02	0.02		0.02	0.02		281.19		0.01		281.43

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	0.00	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00		16.55		0.00		16.56
Total	0.00	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00		16.55		0.00		16.56

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.35					0.00	0.00		0.00	0.00						0.00
Off-Road	0.13	0.86	1.80	0.00		0.02	0.02		0.02	0.02	0.00	281.19		0.01		281.43
Total	1.48	0.86	1.80	0.00		0.02	0.02		0.02	0.02	0.00	281.19		0.01		281.43

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	0.00	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00		16.55		0.00		16.56
Total	0.00	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00		16.55		0.00		16.56

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.45	1.02	3.70	0.01	1.54	0.07	1.61	0.02	0.06	0.09		1,155.39		0.03		1,156.13
Unmitigated	0.45	1.02	3.70	0.01	1.54	0.07	1.61	0.02	0.06	0.09		1,155.39		0.03		1,156.13
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
City Park	15.00	15.00	15.00	32,023	32,023
Single Family Housing	153.00	153.00	153.00	434,538	434,538
Total	168.00	168.00	168.00	466,561	466,561

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.03	0.22	0.09	0.00		0.00	0.02		0.00	0.02		284.75		0.01	0.01	286.48
NaturalGas Unmitigated	0.03	0.26	0.11	0.00		0.00	0.02		0.00	0.02		326.55		0.01	0.01	328.54
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	2775.67	0.03	0.26	0.11	0.00		0.00	0.02		0.00	0.02		326.55		0.01	0.01	328.54
Total		0.03	0.26	0.11	0.00		0.00	0.02		0.00	0.02		326.55		0.01	0.01	328.54

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	2.42035	0.03	0.22	0.09	0.00		0.00	0.02		0.00	0.02		284.75		0.01	0.01	286.48
Total		0.03	0.22	0.09	0.00		0.00	0.02		0.00	0.02		284.75		0.01	0.01	286.48

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.58	0.02	2.16	0.00		0.00	1.07		0.00	1.06	0.00	16,661.17		0.32	0.31	16,762.62
Unmitigated	94.08	4.29	291.38	0.70		0.00	46.23		0.00	46.22	6,167.58	15,735.76		24.42	0.38	22,533.14
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.10					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.89					0.00	0.00		0.00	0.00						0.00
Hearth	93.03	4.27	289.30	0.70		0.00	46.22		0.00	46.21	6,167.58	15,732.00		24.41	0.38	22,529.31
Landscaping	0.06	0.02	2.08	0.00		0.00	0.01		0.00	0.01		3.76		0.00		3.83
Total	94.08	4.29	291.38	0.70		0.00	46.23		0.00	46.22	6,167.58	15,735.76		24.41	0.38	22,533.14

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.10					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.89					0.00	0.00		0.00	0.00						0.00
Hearth	1.53	0.00	0.08	0.00		0.00	1.05		0.00	1.04	0.00	16,657.41		0.32	0.31	16,758.79
Landscaping	0.06	0.02	2.08	0.00		0.00	0.01		0.00	0.01		3.76		0.00		3.83
Total	2.58	0.02	2.16	0.00		0.00	1.06		0.00	1.05	0.00	16,661.17		0.32	0.31	16,762.62

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Alberhill Phase 4
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	805	Dwelling Unit
Condo/Townhouse	450	Dwelling Unit
Regional Shopping Center	382	1000sqft
Single Family Housing	1115	Dwelling Unit
Condo/Townhouse High Rise	75	Dwelling Unit
City Park	70	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2032 to end of 2036

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.58	3.04	3.50	0.01	2.39	0.11	2.49	1.30	0.11	1.40	0.00	963.13	963.13	0.05	0.00	964.12
2033	0.66	2.75	4.95	0.01	1.84	0.10	1.94	0.54	0.10	0.64	0.00	1,298.35	1,298.35	0.05	0.00	1,299.47
2034	0.92	4.32	8.89	0.04	2.62	0.19	2.81	0.04	0.18	0.22	0.00	2,891.23	2,891.23	0.07	0.00	2,892.73
2035	0.83	4.03	8.21	0.04	2.62	0.18	2.80	0.04	0.17	0.21	0.00	2,874.70	2,874.70	0.07	0.00	2,876.08
2036	17.76	1.40	3.47	0.01	0.48	0.06	0.54	0.01	0.06	0.06	0.00	660.15	660.15	0.03	0.00	660.70
Total	20.75	15.54	29.02	0.11	9.95	0.64	10.58	1.93	0.62	2.53	0.00	8,687.56	8,687.56	0.27	0.00	8,693.10

2.1 Overall Construction

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					
2032	0.58	3.04	3.50	0.01	0.95	0.11	1.05	0.51	0.11	0.61	0.00	963.13	963.13	0.05	0.00	964.12
2033	0.66	2.75	4.95	0.01	0.74	0.10	0.84	0.21	0.10	0.31	0.00	1,298.35	1,298.35	0.05	0.00	1,299.47
2034	0.92	4.32	8.89	0.04	2.62	0.19	2.81	0.04	0.18	0.22	0.00	2,891.23	2,891.23	0.07	0.00	2,892.73
2035	0.83	4.03	8.21	0.04	2.62	0.18	2.80	0.04	0.17	0.21	0.00	2,874.70	2,874.70	0.07	0.00	2,876.08
2036	17.76	1.40	3.47	0.01	0.48	0.06	0.54	0.01	0.06	0.06	0.00	660.15	660.15	0.03	0.00	660.70
Total	20.75	15.54	29.02	0.11	7.41	0.64	8.04	0.81	0.62	1.41	0.00	8,687.56	8,687.56	0.27	0.00	8,693.10

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	24.40	0.63	52.44	0.03		0.00	2.61		0.00	2.61	259.71	1,558.01	1,817.72	0.85	0.04	1,846.73
Energy	0.39	3.32	1.43	0.02		0.00	0.27		0.00	0.27	0.00	9,647.31	9,647.31	0.34	0.17	9,707.07
Mobile	8.41	22.09	70.00	0.29	28.84	1.38	30.21	0.46	1.34	1.80	0.00	20,991.23	20,991.23	0.56	0.00	21,003.03
Waste						0.00	0.00		0.00	0.00	472.24	0.00	472.24	27.91	0.00	1,058.32
Water						0.00	0.00		0.00	0.00	0.00	1,362.73	1,362.73	5.79	0.17	1,535.53
Total	33.20	26.04	123.87	0.34	28.84	1.38	33.09	0.46	1.34	4.68	731.95	33,559.28	34,291.23	35.45	0.38	35,150.68

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	16.45	0.43	37.09	0.00		0.00	0.32		0.00	0.32	0.00	1,646.08	1,646.08	0.09	0.03	1,656.94
Energy	0.34	2.89	1.24	0.02		0.00	0.23		0.00	0.23	0.00	8,941.44	8,941.44	0.32	0.16	8,996.87
Mobile	8.41	22.09	70.00	0.29	28.84	1.38	30.21	0.46	1.34	1.80	0.00	20,991.23	20,991.23	0.56	0.00	21,003.03
Waste						0.00	0.00		0.00	0.00	472.24	0.00	472.24	27.91	0.00	1,058.32
Water						0.00	0.00		0.00	0.00	0.00	1,362.73	1,362.73	5.79	0.17	1,535.53
Total	25.20	25.41	108.33	0.31	28.84	1.38	30.76	0.46	1.34	2.35	472.24	32,941.48	33,413.72	34.67	0.36	34,250.69

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2032

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					2.36	0.00	2.36	1.30	0.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.57	3.03	3.45	0.01		0.10	0.10		0.10	0.10	0.00	946.57	946.57	0.05	0.00	947.55
Total	0.57	3.03	3.45	0.01	2.36	0.10	2.46	1.30	0.10	1.40	0.00	946.57	946.57	0.05	0.00	947.55

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	0.00	0.00	0.00	0.00	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	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.56	16.56	0.00	0.00	16.57
Total	0.01	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.56	16.56	0.00	0.00	16.57

3.2 Site Preparation - 2032

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					0.92	0.00	0.92	0.51	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.57	3.03	3.45	0.01		0.10	0.10		0.10	0.10	0.00	946.57	946.57	0.05	0.00	947.55
Total	0.57	3.03	3.45	0.01	0.92	0.10	1.02	0.51	0.10	0.61	0.00	946.57	946.57	0.05	0.00	947.55

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	0.00	0.00	0.00	0.00	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	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.56	16.56	0.00	0.00	16.57
Total	0.01	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.56	16.56	0.00	0.00	16.57

3.3 Grading - 2033

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					1.81	0.00	1.81	0.54	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.65	2.75	4.90	0.01		0.10	0.10		0.10	0.10	0.00	1,280.02	1,280.02	0.05	0.00	1,281.13
Total	0.65	2.75	4.90	0.01	1.81	0.10	1.91	0.54	0.10	0.64	0.00	1,280.02	1,280.02	0.05	0.00	1,281.13

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	0.00	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.33	18.33	0.00	0.00	18.34
Total	0.01	0.00	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.33	18.33	0.00	0.00	18.34

3.3 Grading - 2033

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					0.71	0.00	0.71	0.21	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.65	2.75	4.90	0.01		0.10	0.10		0.10	0.10	0.00	1,280.02	1,280.02	0.05	0.00	1,281.13
Total	0.65	2.75	4.90	0.01	0.71	0.10	0.81	0.21	0.10	0.31	0.00	1,280.02	1,280.02	0.05	0.00	1,281.13

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	0.00	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.33	18.33	0.00	0.00	18.34
Total	0.01	0.00	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.33	18.33	0.00	0.00	18.34

3.4 Building Construction - 2034

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	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76
Total	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76

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	0.25	2.96	1.94	0.01	0.35	0.08	0.43	0.01	0.07	0.08	0.00	1,057.79	1,057.79	0.01	0.00	1,058.01
Worker	0.45	0.31	4.11	0.02	2.27	0.09	2.36	0.03	0.09	0.12	0.00	1,357.05	1,357.05	0.04	0.00	1,357.96
Total	0.70	3.27	6.05	0.03	2.62	0.17	2.79	0.04	0.16	0.20	0.00	2,414.84	2,414.84	0.05	0.00	2,415.97

3.4 Building Construction - 2034

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	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76
Total	0.22	1.05	2.84	0.01		0.02	0.02		0.02	0.02	0.00	476.40	476.40	0.02	0.00	476.76

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	0.25	2.96	1.94	0.01	0.35	0.08	0.43	0.01	0.07	0.08	0.00	1,057.79	1,057.79	0.01	0.00	1,058.01
Worker	0.45	0.31	4.11	0.02	2.27	0.09	2.36	0.03	0.09	0.12	0.00	1,357.05	1,357.05	0.04	0.00	1,357.96
Total	0.70	3.27	6.05	0.03	2.62	0.17	2.79	0.04	0.16	0.20	0.00	2,414.84	2,414.84	0.05	0.00	2,415.97

3.4 Building Construction - 2035

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	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74
Total	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74

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	0.24	2.88	1.83	0.01	0.35	0.07	0.42	0.01	0.07	0.08	0.00	1,062.66	1,062.66	0.01	0.00	1,062.88
Worker	0.38	0.25	3.54	0.02	2.27	0.10	2.36	0.03	0.09	0.12	0.00	1,335.64	1,335.64	0.04	0.00	1,336.46
Total	0.62	3.13	5.37	0.03	2.62	0.17	2.78	0.04	0.16	0.20	0.00	2,398.30	2,398.30	0.05	0.00	2,399.34

3.4 Building Construction - 2035

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	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74
Total	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74

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	0.24	2.88	1.83	0.01	0.35	0.07	0.42	0.01	0.07	0.08	0.00	1,062.66	1,062.66	0.01	0.00	1,062.88
Worker	0.38	0.25	3.54	0.02	2.27	0.10	2.36	0.03	0.09	0.12	0.00	1,335.64	1,335.64	0.04	0.00	1,336.46
Total	0.62	3.13	5.37	0.03	2.62	0.17	2.78	0.04	0.16	0.20	0.00	2,398.30	2,398.30	0.05	0.00	2,399.34

3.5 Paving - 2036

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	1.25	2.49	0.00		0.04	0.04		0.04	0.04	0.00	345.32	345.32	0.02	0.00	345.67
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.21	1.25	2.49	0.00		0.04	0.04		0.04	0.04	0.00	345.32	345.32	0.02	0.00	345.67

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.58	13.58	0.00	0.00	13.59
Total	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.58	13.58	0.00	0.00	13.59

3.5 Paving - 2036

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	1.25	2.49	0.00		0.04	0.04		0.04	0.04	0.00	345.32	345.32	0.02	0.00	345.67
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.21	1.25	2.49	0.00		0.04	0.04		0.04	0.04	0.00	345.32	345.32	0.02	0.00	345.67

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.58	13.58	0.00	0.00	13.59
Total	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.58	13.58	0.00	0.00	13.59

3.6 Architectural Coating - 2036

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	17.46					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.10	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.28	33.28	0.00	0.00	33.31
Total	17.48	0.10	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.28	33.28	0.00	0.00	33.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.08	0.05	0.71	0.00	0.45	0.02	0.47	0.01	0.02	0.02	0.00	267.97	267.97	0.01	0.00	268.14
Total	0.08	0.05	0.71	0.00	0.45	0.02	0.47	0.01	0.02	0.02	0.00	267.97	267.97	0.01	0.00	268.14

3.6 Architectural Coating - 2036

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	17.46					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.10	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.28	33.28	0.00	0.00	33.31
Total	17.48	0.10	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.28	33.28	0.00	0.00	33.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.08	0.05	0.71	0.00	0.45	0.02	0.47	0.01	0.02	0.02	0.00	267.97	267.97	0.01	0.00	268.14
Total	0.08	0.05	0.71	0.00	0.45	0.02	0.47	0.01	0.02	0.02	0.00	267.97	267.97	0.01	0.00	268.14

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	8.41	22.09	70.00	0.29	28.84	1.38	30.21	0.46	1.34	1.80	0.00	20,991.23	20,991.23	0.56	0.00	21,003.03
Unmitigated	8.41	22.09	70.00	0.29	28.84	1.38	30.21	0.46	1.34	1.80	0.00	20,991.23	20,991.23	0.56	0.00	21,003.03
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	3,429.30	3,429.30	3429.30	9,739,624	9,739,624
Condo/Townhouse	1,674.00	1,674.00	1674.00	4,754,361	4,754,361
City Park	71.40	71.40	71.40	152,428	152,428
Regional Shopping Center	10,386.58	10,386.58	10386.58	18,210,841	18,210,841
Condo/Townhouse High Rise	279.00	279.00	279.00	792,393	792,393
Single Family Housing	6,834.95	6,834.95	6834.95	19,412,078	19,412,078
Total	22,675.23	22,675.23	22,675.23	53,061,726	53,061,726

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	40.20	19.20	40.60
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	5,598.96	5,598.96	0.25	0.10	5,634.05
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	5,810.12	5,810.12	0.26	0.10	5,846.53
NaturalGas Mitigated	0.34	2.89	1.24	0.02		0.00	0.23		0.00	0.23	0.00	3,342.48	3,342.48	0.06	0.06	3,362.82
NaturalGas Unmitigated	0.39	3.32	1.43	0.02		0.00	0.27		0.00	0.27	0.00	3,837.18	3,837.18	0.07	0.07	3,860.54
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	1.22762e+007	0.07	0.57	0.24	0.00		0.00	0.05		0.00	0.05	0.00	655.10	655.10	0.01	0.01	659.09
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse	1.16216e+007	0.06	0.54	0.23	0.00		0.00	0.04		0.00	0.04	0.00	620.17	620.17	0.01	0.01	623.95
Condo/Townhouse High Rise	1.93694e+006	0.01	0.09	0.04	0.00		0.00	0.01		0.00	0.01	0.00	103.36	103.36	0.00	0.00	103.99
Regional Shopping Center	886240	0.00	0.04	0.04	0.00		0.00	0.00		0.00	0.00	0.00	47.29	47.29	0.00	0.00	47.58
Single Family Housing	4.51852e+007	0.24	2.08	0.89	0.01		0.00	0.17		0.00	0.17	0.00	2,411.25	2,411.25	0.05	0.04	2,425.93
Total		0.38	3.32	1.44	0.01		0.00	0.27		0.00	0.27	0.00	3,837.17	3,837.17	0.07	0.06	3,860.54

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	1.06733e+007	0.06	0.49	0.21	0.00		0.00	0.04		0.00	0.04	0.00	569.57	569.57	0.01	0.01	573.03
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse	1.01066e+007	0.05	0.47	0.20	0.00		0.00	0.04		0.00	0.04	0.00	539.33	539.33	0.01	0.01	542.61
Condo/Townhouse High Rise	1.68443e+006	0.01	0.08	0.03	0.00		0.00	0.01		0.00	0.01	0.00	89.89	89.89	0.00	0.00	90.43
Regional Shopping Center	770494	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	41.12	41.12	0.00	0.00	41.37
Single Family Housing	3.94008e+007	0.21	1.82	0.77	0.01		0.00	0.15		0.00	0.15	0.00	2,102.58	2,102.58	0.04	0.04	2,115.38
Total		0.33	2.90	1.24	0.01		0.00	0.24		0.00	0.24	0.00	3,342.49	3,342.49	0.06	0.06	3,362.82

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	3.37218e+006					980.87	0.04	0.02	987.01
City Park	0					0.00	0.00	0.00	0.00
Condo/Townhouse	2.22243e+006					646.44	0.03	0.01	650.49
Condo/Townhouse High Rise	370405					107.74	0.00	0.00	108.42
Regional Shopping Center	5.98212e+006					1,740.02	0.08	0.03	1,750.93
Single Family Housing	8.0278e+006					2,335.05	0.11	0.04	2,349.69
Total						5,810.12	0.26	0.10	5,846.54

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	3.25249e+006					946.05	0.04	0.02	951.98
City Park	0					0.00	0.00	0.00	0.00
Condo/Townhouse	2.15631e+006					627.21	0.03	0.01	631.14
Condo/Townhouse High Rise	359385					104.53	0.00	0.00	105.19
Regional Shopping Center	5.66124e+006					1,646.69	0.07	0.03	1,657.01
Single Family Housing	7.81955e+006					2,274.48	0.10	0.04	2,288.73
Total						5,598.96	0.24	0.10	5,634.05

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	16.45	0.43	37.09	0.00		0.00	0.32		0.00	0.32	0.00	1,646.08	1,646.08	0.09	0.03	1,656.94
Unmitigated	24.40	0.63	52.44	0.03		0.00	2.61		0.00	2.61	259.71	1,558.01	1,817.72	0.85	0.04	1,846.73
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	1.75					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	13.44					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	8.11	0.20	15.37	0.02		0.00	2.40		0.00	2.40	259.71	1,497.20	1,756.90	0.79	0.04	1,784.70
Landscaping	1.11	0.43	37.08	0.00		0.00	0.21		0.00	0.21	0.00	60.82	60.82	0.06	0.00	62.03
Total	24.41	0.63	52.45	0.02		0.00	2.61		0.00	2.61	259.71	1,558.02	1,817.72	0.85	0.04	1,846.73

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.75					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	13.44					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.16	0.00	0.01	0.00		0.00	0.11		0.00	0.11	0.00	1,585.27	1,585.27	0.03	0.03	1,594.91
Landscaping	1.11	0.43	37.08	0.00		0.00	0.21		0.00	0.21	0.00	60.82	60.82	0.06	0.00	62.03
Total	16.46	0.43	37.09	0.00		0.00	0.32		0.00	0.32	0.00	1,646.09	1,646.09	0.09	0.03	1,656.94

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					1,362.73	5.79	0.17	1,535.53
Unmitigated					1,362.73	5.79	0.17	1,535.53
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	52.449 / 33.0657					306.09	1.61	0.04	353.93
City Park	0 / 83.4037					269.53	0.01	0.00	271.21
Condo/Townhouse	29.3193 / 18.4839					171.11	0.90	0.03	197.85
Condo/Townhouse High Rise	4.88655 / 3.08065					28.52	0.15	0.00	32.98
Regional Shopping Center	28.2957 / 17.3425					163.53	0.87	0.02	189.33
Single Family Housing	72.6467 / 45.799					423.96	2.24	0.06	490.23
Total						1,362.74	5.78	0.15	1,535.53

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	52.449 / 33.0657					306.09	1.61	0.04	353.93
City Park	0 / 83.4037					269.53	0.01	0.00	271.21
Condo/Townhouse	29.3193 / 18.4839					171.11	0.90	0.03	197.85
Condo/Townhouse High Rise	4.88655 / 3.08065					28.52	0.15	0.00	32.98
Regional Shopping Center	28.2957 / 17.3425					163.53	0.87	0.02	189.33
Single Family Housing	72.6467 / 45.799					423.96	2.24	0.06	490.23
Total						1,362.74	5.78	0.15	1,535.53

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					472.24	27.91	0.00	1,058.32
Unmitigated					472.24	27.91	0.00	1,058.32
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	370.3					75.17	4.44	0.00	168.46
City Park	6.02					1.22	0.07	0.00	2.74
Condo/Townhouse	207					42.02	2.48	0.00	94.17
Condo/Townhouse High Rise	34.5					7.00	0.41	0.00	15.69
Regional Shopping Center	401.1					81.42	4.81	0.00	182.47
Single Family Housing	1307.49					265.41	15.69	0.00	594.80
Total						472.24	27.90	0.00	1,058.33

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	370.3					75.17	4.44	0.00	168.46
City Park	6.02					1.22	0.07	0.00	2.74
Condo/Townhouse	207					42.02	2.48	0.00	94.17
Condo/Townhouse High Rise	34.5					7.00	0.41	0.00	15.69
Regional Shopping Center	401.1					81.42	4.81	0.00	182.47
Single Family Housing	1307.49					265.41	15.69	0.00	594.80
Total						472.24	27.90	0.00	1,058.33

9.0 Vegetation

Alberhill Phase 4
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Mid Rise	805	Dwelling Unit
Condo/Townhouse	450	Dwelling Unit
Regional Shopping Center	382	1000sqft
Single Family Housing	1115	Dwelling Unit
Condo/Townhouse High Rise	75	Dwelling Unit
City Park	70	Acre

1.2 Other Project Characteristics

Urbanization Urban

Wind Speed (m/s) 2.2

Utility Company Southern California Edison

Climate Zone 10

Precipitation Freq (Days) 31

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2032 to end of 2036

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2032	4.43	23.26	26.83	0.08	18.30	0.81	19.11	9.93	0.81	10.74	0.00	8,146.61	0.00	0.40	0.00	8,154.98
2033	5.07	21.19	38.15	0.10	14.19	0.79	14.98	3.31	0.79	4.10	0.00	11,022.13	0.00	0.45	0.00	11,031.63
2034	7.12	33.49	68.83	0.29	22.31	1.48	23.79	0.34	1.38	1.72	0.00	25,299.71	0.00	0.63	0.00	25,312.94
2035	6.36	31.35	63.53	0.29	22.31	1.40	23.71	0.34	1.30	1.64	0.00	25,153.52	0.00	0.58	0.00	25,165.63
2036	136.14	10.69	27.06	0.07	4.06	0.45	4.51	0.05	0.44	0.50	0.00	5,732.29	0.00	0.23	0.00	5,737.03
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1 Overall Construction (Maximum Daily Emission)

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					
2032	4.43	23.26	26.83	0.08	7.28	0.81	8.09	3.88	0.81	4.69	0.00	8,146.61	0.00	0.40	0.00	8,154.98
2033	5.07	21.19	38.15	0.10	5.69	0.79	6.48	1.29	0.79	2.09	0.00	11,022.13	0.00	0.45	0.00	11,031.63
2034	7.12	33.49	68.83	0.29	22.31	1.48	23.79	0.34	1.38	1.72	0.00	25,299.71	0.00	0.63	0.00	25,312.94
2035	6.36	31.35	63.53	0.29	22.31	1.40	23.71	0.34	1.30	1.64	0.00	25,153.52	0.00	0.58	0.00	25,165.63
2036	136.14	10.69	27.06	0.07	4.06	0.45	4.51	0.05	0.44	0.50	0.00	5,732.29	0.00	0.23	0.00	5,737.03
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	349.52	14.27	1,012.66	1.97		0.00	130.42		0.00	130.39	17,253.71	44,377.63		68.65	1.06	63,400.32
Energy	2.12	18.17	7.83	0.12		0.00	1.47		0.00	1.47		23,176.83		0.44	0.42	23,317.88
Mobile	48.05	122.54	388.28	1.70	175.73	7.56	183.29	2.51	7.36	9.87		133,227.82		3.44		133,300.05
Total	399.69	154.98	1,408.77	3.79	175.73	7.56	315.18	2.51	7.36	141.73	17,253.71	200,782.28		72.53	1.48	220,018.25

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	93.55	2.34	203.57	0.01		0.00	4.08		0.00	4.05	0.00	46,966.45		1.24	0.85	47,257.38
Energy	1.85	15.83	6.82	0.10		0.00	1.28		0.00	1.28		20,188.78		0.39	0.37	20,311.64
Mobile	48.05	122.54	388.28	1.70	175.73	7.56	183.29	2.51	7.36	9.87		133,227.82		3.44		133,300.05
Total	143.45	140.71	598.67	1.81	175.73	7.56	188.65	2.51	7.36	15.20	0.00	200,383.05		5.07	1.22	200,869.07

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2032

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	4.39	23.23	26.42	0.07		0.80	0.80		0.80	0.80		7,997.69		0.39		8,005.95
Total	4.39	23.23	26.42	0.07	18.07	0.80	18.87	9.93	0.80	10.73		7,997.69		0.39		8,005.95

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	0.04	0.03	0.41	0.00	0.23	0.01	0.24	0.00	0.01	0.01		148.93		0.00		149.03
Total	0.04	0.03	0.41	0.00	0.23	0.01	0.24	0.00	0.01	0.01		148.93		0.00		149.03

3.2 Site Preparation - 2032

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					7.05	0.00	7.05	3.87	0.00	3.87						0.00
Off-Road	4.39	23.23	26.42	0.07		0.80	0.80		0.80	0.80	0.00	7,997.69		0.39		8,005.95
Total	4.39	23.23	26.42	0.07	7.05	0.80	7.85	3.87	0.80	4.67	0.00	7,997.69		0.39		8,005.95

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	0.04	0.03	0.41	0.00	0.23	0.01	0.24	0.00	0.01	0.01		148.93		0.00		149.03
Total	0.04	0.03	0.41	0.00	0.23	0.01	0.24	0.00	0.01	0.01		148.93		0.00		149.03

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.92	0.00	13.92	3.31	0.00	3.31						0.00
Off-Road	5.02	21.15	37.69	0.10		0.78	0.78		0.78	0.78		10,856.65		0.45		10,866.04
Total	5.02	21.15	37.69	0.10	13.92	0.78	14.70	3.31	0.78	4.09		10,856.65		0.45		10,866.04

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	0.05	0.03	0.46	0.00	0.26	0.01	0.27	0.00	0.01	0.01		165.47		0.01		165.58
Total	0.05	0.03	0.46	0.00	0.26	0.01	0.27	0.00	0.01	0.01		165.47		0.01		165.58

3.3 Grading - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.43	0.00	5.43	1.29	0.00	1.29						0.00
Off-Road	5.02	21.15	37.69	0.10		0.78	0.78		0.78	0.78	0.00	10,856.65		0.45		10,866.04
Total	5.02	21.15	37.69	0.10	5.43	0.78	6.21	1.29	0.78	2.07	0.00	10,856.65		0.45		10,866.04

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	0.05	0.03	0.46	0.00	0.26	0.01	0.27	0.00	0.01	0.01		165.47		0.01		165.58
Total	0.05	0.03	0.46	0.00	0.26	0.01	0.27	0.00	0.01	0.01		165.47		0.01		165.58

3.4 Building Construction - 2034

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	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18		4,040.61		0.15		4,043.72
Total	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18		4,040.61		0.15		4,043.72

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.89	23.14	13.17	0.09	2.98	0.59	3.57	0.08	0.54	0.62		9,005.80		0.09		9,007.67
Worker	3.58	2.30	33.83	0.16	19.33	0.71	20.04	0.26	0.66	0.92		12,253.30		0.39		12,261.55
Total	5.47	25.44	47.00	0.25	22.31	1.30	23.61	0.34	1.20	1.54		21,259.10		0.48		21,269.22

3.4 Building Construction - 2034

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	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18	0.00	4,040.61		0.15		4,043.72
Total	1.66	8.05	21.82	0.04		0.18	0.18		0.18	0.18	0.00	4,040.61		0.15		4,043.72

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.89	23.14	13.17	0.09	2.98	0.59	3.57	0.08	0.54	0.62		9,005.80		0.09		9,007.67
Worker	3.58	2.30	33.83	0.16	19.33	0.71	20.04	0.26	0.66	0.92		12,253.30		0.39		12,261.55
Total	5.47	25.44	47.00	0.25	22.31	1.30	23.61	0.34	1.20	1.54		21,259.10		0.48		21,269.22

3.4 Building Construction - 2035

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	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11		4,040.62		0.14		4,043.50
Total	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11		4,040.62		0.14		4,043.50

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.81	22.53	12.43	0.09	2.98	0.56	3.54	0.08	0.51	0.59		9,048.45		0.09		9,050.24
Worker	3.02	1.83	29.33	0.16	19.33	0.73	20.06	0.26	0.68	0.94		12,064.45		0.35		12,071.89
Total	4.83	24.36	41.76	0.25	22.31	1.29	23.60	0.34	1.19	1.53		21,112.90		0.44		21,122.13

3.4 Building Construction - 2035

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	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11	0.00	4,040.62		0.14		4,043.50
Total	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11	0.00	4,040.62		0.14		4,043.50

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	1.81	22.53	12.43	0.09	2.98	0.56	3.54	0.08	0.51	0.59		9,048.45		0.09		9,050.24
Worker	3.02	1.83	29.33	0.16	19.33	0.73	20.06	0.26	0.68	0.94		12,064.45		0.35		12,071.89
Total	4.83	24.36	41.76	0.25	22.31	1.29	23.60	0.34	1.19	1.53		21,112.90		0.44		21,122.13

3.5 Paving - 2036

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	1.58	9.55	19.10	0.03		0.29	0.29		0.29	0.29		2,917.64		0.14		2,920.60
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.58	9.55	19.10	0.03		0.29	0.29		0.29	0.29		2,917.64		0.14		2,920.60

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.30	0.00	0.20	0.01	0.20	0.00	0.01	0.01		122.19		0.00		122.27
Total	0.03	0.02	0.30	0.00	0.20	0.01	0.20	0.00	0.01	0.01		122.19		0.00		122.27

3.5 Paving - 2036

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	1.58	9.55	19.10	0.03		0.29	0.29		0.29	0.29	0.00	2,917.64		0.14		2,920.60
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.58	9.55	19.10	0.03		0.29	0.29		0.29	0.29	0.00	2,917.64		0.14		2,920.60

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.30	0.00	0.20	0.01	0.20	0.00	0.01	0.01		122.19		0.00		122.27
Total	0.03	0.02	0.30	0.00	0.20	0.01	0.20	0.00	0.01	0.01		122.19		0.00		122.27

3.6 Architectural Coating - 2036

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	133.81					0.00	0.00		0.00	0.00						0.00
Off-Road	0.12	0.76	1.79	0.00		0.01	0.01		0.01	0.01		281.19		0.01		281.41
Total	133.93	0.76	1.79	0.00		0.01	0.01		0.01	0.01		281.19		0.01		281.41

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	0.60	0.37	5.86	0.03	3.86	0.15	4.01	0.05	0.14	0.19		2,411.26		0.07		2,412.75
Total	0.60	0.37	5.86	0.03	3.86	0.15	4.01	0.05	0.14	0.19		2,411.26		0.07		2,412.75

3.6 Architectural Coating - 2036

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	133.81					0.00	0.00		0.00	0.00						0.00
Off-Road	0.12	0.76	1.79	0.00		0.01	0.01		0.01	0.01	0.00	281.19		0.01		281.41
Total	133.93	0.76	1.79	0.00		0.01	0.01		0.01	0.01	0.00	281.19		0.01		281.41

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	0.60	0.37	5.86	0.03	3.86	0.15	4.01	0.05	0.14	0.19		2,411.26		0.07		2,412.75
Total	0.60	0.37	5.86	0.03	3.86	0.15	4.01	0.05	0.14	0.19		2,411.26		0.07		2,412.75

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	lb/day										lb/day					
Mitigated	48.05	122.54	388.28	1.70	175.73	7.56	183.29	2.51	7.36	9.87		133,227.82		3.44		133,300.05
Unmitigated	48.05	122.54	388.28	1.70	175.73	7.56	183.29	2.51	7.36	9.87		133,227.82		3.44		133,300.05
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	3,429.30	3,429.30	3429.30	9,739,624	9,739,624
Condo/Townhouse	1,674.00	1,674.00	1674.00	4,754,361	4,754,361
City Park	71.40	71.40	71.40	152,428	152,428
Regional Shopping Center	10,386.58	10,386.58	10386.58	18,210,841	18,210,841
Condo/Townhouse High Rise	279.00	279.00	279.00	792,393	792,393
Single Family Housing	6,834.95	6,834.95	6834.95	19,412,078	19,412,078
Total	22,675.23	22,675.23	22,675.23	53,061,726	53,061,726

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	40.20	19.20	40.60
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.85	15.83	6.82	0.10		0.00	1.28		0.00	1.28		20,188.78		0.39	0.37	20,311.64
NaturalGas Unmitigated	2.12	18.17	7.83	0.12		0.00	1.47		0.00	1.47		23,176.83		0.44	0.42	23,317.88
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	33633.3	0.36	3.10	1.32	0.02		0.00	0.25		0.00	0.25		3,956.86		0.08	0.07	3,980.94
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Condo/Townhouse	31840.1	0.34	2.93	1.25	0.02		0.00	0.24		0.00	0.24		3,745.89		0.07	0.07	3,768.69
Condo/Townhouse High Rise	5306.68	0.06	0.49	0.21	0.00		0.00	0.04		0.00	0.04		624.32		0.01	0.01	628.11
Regional Shopping Center	2428.05	0.03	0.24	0.20	0.00		0.00	0.02		0.00	0.02		285.65		0.01	0.01	287.39
Single Family Housing	123795	1.34	11.41	4.85	0.07		0.00	0.92		0.00	0.92		14,564.11		0.28	0.27	14,652.74
Total		2.13	18.17	7.83	0.11		0.00	1.47		0.00	1.47		23,176.83		0.45	0.43	23,317.87

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	29.2419	0.32	2.69	1.15	0.02		0.00	0.22		0.00	0.22		3,440.23		0.07	0.06	3,461.17
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Condo/Townhouse	27.6893	0.30	2.55	1.09	0.02		0.00	0.21		0.00	0.21		3,257.57		0.06	0.06	3,277.39
Condo/Townhouse High Rise	4.61489	0.05	0.43	0.18	0.00		0.00	0.03		0.00	0.03		542.93		0.01	0.01	546.23
Regional Shopping Center	2.11094	0.02	0.21	0.17	0.00		0.00	0.02		0.00	0.02		248.35		0.00	0.00	249.86
Single Family Housing	107.948	1.16	9.95	4.23	0.06		0.00	0.80		0.00	0.80		12,699.71		0.24	0.23	12,777.00
Total		1.85	15.83	6.82	0.10		0.00	1.28		0.00	1.28		20,188.79		0.38	0.36	20,311.65

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	93.55	2.34	203.57	0.01		0.00	4.08		0.00	4.05	0.00	46,966.45		1.24	0.85	47,257.38
Unmitigated	349.52	14.27	1,012.66	1.97		0.00	130.42		0.00	130.39	17,253.71	44,377.63		68.65	1.06	63,400.32
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	9.57					0.00	0.00		0.00	0.00						0.00
Consumer Products	73.64					0.00	0.00		0.00	0.00						0.00
Hearth	260.24	11.94	809.32	1.96		0.00	129.29		0.00	129.26	17,253.71	44,010.00		68.30	1.06	63,025.35
Landscaping	6.07	2.34	203.34	0.01		0.00	1.13		0.00	1.13		367.63		0.35		374.97
Total	349.52	14.28	1,012.66	1.97		0.00	130.42		0.00	130.39	17,253.71	44,377.63		68.65	1.06	63,400.32

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.57					0.00	0.00		0.00	0.00						0.00
Consumer Products	73.64					0.00	0.00		0.00	0.00						0.00
Hearth	4.27	0.00	0.23	0.00		0.00	2.95		0.00	2.92	0.00	46,598.82		0.89	0.85	46,882.42
Landscaping	6.07	2.34	203.34	0.01		0.00	1.13		0.00	1.13		367.63		0.35		374.97
Total	93.55	2.34	203.57	0.01		0.00	4.08		0.00	4.05	0.00	46,966.45		1.24	0.85	47,257.39

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Alberhill Phase 5
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Junior High School	1600	Student
Place of Worship	600	Seat
Condo/Townhouse	225	Dwelling Unit
Single Family Housing	345	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2037 to end of 2041

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2037	0.51	2.18	3.30	0.01	2.38	0.07	2.45	1.29	0.07	1.36	0.00	959.18	959.18	0.04	0.00	960.04
2038	0.58	1.88	4.82	0.01	1.22	0.07	1.29	0.48	0.07	0.54	0.00	1,298.06	1,298.06	0.05	0.00	1,299.04
2039	0.37	1.83	4.28	0.01	0.68	0.06	0.74	0.01	0.06	0.07	0.00	1,135.44	1,135.44	0.03	0.00	1,136.05
2040	0.36	1.78	4.19	0.01	0.69	0.06	0.74	0.01	0.05	0.07	0.00	1,134.52	1,134.52	0.03	0.00	1,135.10
2041	6.06	1.21	2.91	0.01	0.14	0.03	0.17	0.00	0.03	0.03	0.00	457.87	457.87	0.02	0.00	458.26
Total	7.88	8.88	19.50	0.05	5.11	0.29	5.39	1.79	0.28	2.07	0.00	4,985.07	4,985.07	0.17	0.00	4,988.49

2.1 Overall Construction

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					
2037	0.51	2.18	3.30	0.01	0.94	0.07	1.01	0.50	0.07	0.57	0.00	959.18	959.18	0.04	0.00	960.04
2038	0.58	1.88	4.82	0.01	0.50	0.07	0.56	0.19	0.07	0.25	0.00	1,298.06	1,298.06	0.05	0.00	1,299.04
2039	0.37	1.83	4.28	0.01	0.68	0.06	0.74	0.01	0.06	0.07	0.00	1,135.44	1,135.44	0.03	0.00	1,136.05
2040	0.36	1.78	4.19	0.01	0.69	0.06	0.74	0.01	0.05	0.07	0.00	1,134.52	1,134.52	0.03	0.00	1,135.10
2041	6.06	1.21	2.91	0.01	0.14	0.03	0.17	0.00	0.03	0.03	0.00	457.87	457.87	0.02	0.00	458.26
Total	7.88	8.88	19.50	0.05	2.95	0.29	3.22	0.71	0.28	0.99	0.00	4,985.07	4,985.07	0.17	0.00	4,988.49

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	6.58	0.15	12.22	0.01		0.00	0.61		0.00	0.61	60.54	363.22	423.76	0.20	0.01	430.53
Energy	0.12	1.05	0.50	0.01		0.00	0.08		0.00	0.08	0.00	2,842.28	2,842.28	0.10	0.05	2,859.88
Mobile	1.80	5.10	15.19	0.07	6.86	0.33	7.19	0.11	0.32	0.43	0.00	5,008.39	5,008.39	0.13	0.00	5,011.06
Waste						0.00	0.00		0.00	0.00	1,258.58	0.00	1,258.58	74.38	0.00	2,820.56
Water						0.00	0.00		0.00	0.00	0.00	272.09	272.09	1.29	0.04	310.54
Total	8.50	6.30	27.91	0.09	6.86	0.33	7.88	0.11	0.32	1.12	1,319.12	8,485.98	9,805.10	76.10	0.10	11,432.57

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.73	0.10	8.64	0.00		0.00	0.07		0.00	0.07	0.00	383.75	383.75	0.02	0.01	386.28
Energy	0.11	0.91	0.44	0.01		0.00	0.07		0.00	0.07	0.00	2,631.56	2,631.56	0.09	0.05	2,647.86
Mobile	1.80	5.10	15.19	0.07	6.86	0.33	7.19	0.11	0.32	0.43	0.00	5,008.39	5,008.39	0.13	0.00	5,011.06
Waste						0.00	0.00		0.00	0.00	1,258.58	0.00	1,258.58	74.38	0.00	2,820.56
Water						0.00	0.00		0.00	0.00	0.00	272.09	272.09	1.29	0.04	310.54
Total	6.64	6.11	24.27	0.08	6.86	0.33	7.33	0.11	0.32	0.57	1,258.58	8,295.79	9,554.37	75.91	0.10	11,176.30

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2037

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					2.35	0.00	2.35	1.29	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.50	2.18	3.26	0.01		0.07	0.07		0.07	0.07	0.00	942.94	942.94	0.04	0.00	943.80
Total	0.50	2.18	3.26	0.01	2.35	0.07	2.42	1.29	0.07	1.36	0.00	942.94	942.94	0.04	0.00	943.80

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	0.00	0.00	0.00	0.00	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	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.23	16.23	0.00	0.00	16.24
Total	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.23	16.23	0.00	0.00	16.24

3.2 Site Preparation - 2037

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					0.92	0.00	0.92	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.50	2.18	3.26	0.01		0.07	0.07		0.07	0.07	0.00	942.94	942.94	0.04	0.00	943.80
Total	0.50	2.18	3.26	0.01	0.92	0.07	0.99	0.50	0.07	0.57	0.00	942.94	942.94	0.04	0.00	943.80

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	0.00	0.00	0.00	0.00	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	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.23	16.23	0.00	0.00	16.24
Total	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	16.23	16.23	0.00	0.00	16.24

3.3 Grading - 2038

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					1.19	0.00	1.19	0.47	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.58	1.88	4.77	0.01		0.07	0.07		0.07	0.07	0.00	1,280.02	1,280.02	0.05	0.00	1,280.99
Total	0.58	1.88	4.77	0.01	1.19	0.07	1.26	0.47	0.07	0.54	0.00	1,280.02	1,280.02	0.05	0.00	1,280.99

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	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.04	18.04	0.00	0.00	18.05
Total	0.01	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.04	18.04	0.00	0.00	18.05

3.3 Grading - 2038

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					0.47	0.00	0.47	0.19	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.58	1.88	4.77	0.01		0.07	0.07		0.07	0.07	0.00	1,280.02	1,280.02	0.05	0.00	1,280.99
Total	0.58	1.88	4.77	0.01	0.47	0.07	0.54	0.19	0.07	0.26	0.00	1,280.02	1,280.02	0.05	0.00	1,280.99

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	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.04	18.04	0.00	0.00	18.05
Total	0.01	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.04	18.04	0.00	0.00	18.05

3.4 Building Construction - 2039

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	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74
Total	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.86	0.55	0.00	0.11	0.02	0.13	0.00	0.02	0.02	0.00	318.14	318.14	0.00	0.00	318.21
Worker	0.10	0.06	0.90	0.01	0.58	0.02	0.60	0.01	0.02	0.03	0.00	340.90	340.90	0.01	0.00	341.11
Total	0.17	0.92	1.45	0.01	0.69	0.04	0.73	0.01	0.04	0.05	0.00	659.04	659.04	0.01	0.00	659.32

3.4 Building Construction - 2039

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	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74
Total	0.20	0.91	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.74

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.86	0.55	0.00	0.11	0.02	0.13	0.00	0.02	0.02	0.00	318.14	318.14	0.00	0.00	318.21
Worker	0.10	0.06	0.90	0.01	0.58	0.02	0.60	0.01	0.02	0.03	0.00	340.90	340.90	0.01	0.00	341.11
Total	0.17	0.92	1.45	0.01	0.69	0.04	0.73	0.01	0.04	0.05	0.00	659.04	659.04	0.01	0.00	659.32

3.4 Building Construction - 2040

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	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56
Total	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.86	0.54	0.00	0.11	0.02	0.13	0.00	0.02	0.02	0.00	319.70	319.70	0.00	0.00	319.76
Worker	0.09	0.05	0.81	0.01	0.58	0.02	0.61	0.01	0.02	0.03	0.00	336.59	336.59	0.01	0.00	336.79
Total	0.16	0.91	1.35	0.01	0.69	0.04	0.74	0.01	0.04	0.05	0.00	656.29	656.29	0.01	0.00	656.55

3.4 Building Construction - 2040

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	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56
Total	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.86	0.54	0.00	0.11	0.02	0.13	0.00	0.02	0.02	0.00	319.70	319.70	0.00	0.00	319.76
Worker	0.09	0.05	0.81	0.01	0.58	0.02	0.61	0.01	0.02	0.03	0.00	336.59	336.59	0.01	0.00	336.79
Total	0.16	0.91	1.35	0.01	0.69	0.04	0.74	0.01	0.04	0.05	0.00	656.29	656.29	0.01	0.00	656.55

3.5 Paving - 2041

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	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31
Total	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31

3.5 Paving - 2041

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	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31
Total	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31

3.6 Architectural Coating - 2041

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	5.83					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18
Total	5.84	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.02	0.01	0.16	0.00	0.12	0.00	0.12	0.00	0.00	0.01	0.00	67.42	67.42	0.00	0.00	67.45
Total	0.02	0.01	0.16	0.00	0.12	0.00	0.12	0.00	0.00	0.01	0.00	67.42	67.42	0.00	0.00	67.45

3.6 Architectural Coating - 2041

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	5.83					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18
Total	5.84	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.02	0.01	0.16	0.00	0.12	0.00	0.12	0.00	0.00	0.01	0.00	67.42	67.42	0.00	0.00	67.45
Total	0.02	0.01	0.16	0.00	0.12	0.00	0.12	0.00	0.00	0.01	0.00	67.42	67.42	0.00	0.00	67.45

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.80	5.10	15.19	0.07	6.86	0.33	7.19	0.11	0.32	0.43	0.00	5,008.39	5,008.39	0.13	0.00	5,011.06
Unmitigated	1.80	5.10	15.19	0.07	6.86	0.33	7.19	0.11	0.32	0.43	0.00	5,008.39	5,008.39	0.13	0.00	5,011.06
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
Junior High School	1,664.00	0.00	0.00	2,672,140	2,672,140
Condo/Townhouse	837.00	837.00	837.00	2,377,180	2,377,180
Place of Worship	954.00	540.00	540.00	1,563,360	1,563,360
Single Family Housing	2,114.85	2,114.85	2114.85	6,006,428	6,006,428
Total	5,569.85	3,491.85	3,491.85	12,619,108	12,619,108

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
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	1,580.82	1,580.82	0.07	0.03	1,590.72
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	1,640.63	1,640.63	0.07	0.03	1,650.92
NaturalGas Mitigated	0.11	0.91	0.44	0.01		0.00	0.07		0.00	0.07	0.00	1,050.74	1,050.74	0.02	0.02	1,057.14
NaturalGas Unmitigated	0.12	1.05	0.50	0.01		0.00	0.08		0.00	0.08	0.00	1,201.65	1,201.65	0.02	0.02	1,208.96
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					
Condo/Townhouse	5.81081e+006	0.03	0.27	0.11	0.00		0.00	0.02		0.00	0.02	0.00	310.09	310.09	0.01	0.01	311.97
Junior High School	1.71734e+006	0.01	0.08	0.07	0.00		0.00	0.01		0.00	0.01	0.00	91.64	91.64	0.00	0.00	92.20
Place of Worship	1.00879e+006	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	53.83	53.83	0.00	0.00	54.16
Single Family Housing	1.39811e+007	0.08	0.64	0.27	0.00		0.00	0.05		0.00	0.05	0.00	746.08	746.08	0.01	0.01	750.62
Total		0.13	1.04	0.49	0.00		0.00	0.08		0.00	0.08	0.00	1,201.64	1,201.64	0.02	0.02	1,208.95

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					
Condo/Townhouse	5.0533e+006	0.03	0.23	0.10	0.00		0.00	0.02		0.00	0.02	0.00	269.66	269.66	0.01	0.00	271.30
Junior High School	1.51024e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	80.59	80.59	0.00	0.00	81.08
Place of Worship	935333	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	49.91	49.91	0.00	0.00	50.22
Single Family Housing	1.21913e+007	0.07	0.56	0.24	0.00		0.00	0.05		0.00	0.05	0.00	650.57	650.57	0.01	0.01	654.53
Total		0.12	0.91	0.44	0.00		0.00	0.08		0.00	0.08	0.00	1,050.73	1,050.73	0.02	0.01	1,057.13

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			
Condo/Townhouse	1.11121e+006					323.22	0.01	0.01	325.25
Junior High School	1.70982e+006					497.34	0.02	0.01	500.45
Place of Worship	335455					97.57	0.00	0.00	98.19
Single Family Housing	2.48394e+006					722.50	0.03	0.01	727.03
Total						1,640.63	0.06	0.03	1,650.92

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse	1.07815e+006					313.60	0.01	0.01	315.57
Junior High School	1.61389e+006					469.43	0.02	0.01	472.37
Place of Worship	323227					94.02	0.00	0.00	94.61
Single Family Housing	2.4195e+006					703.76	0.03	0.01	708.17
Total						1,580.81	0.06	0.03	1,590.72

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.73	0.10	8.64	0.00		0.00	0.07		0.00	0.07	0.00	383.75	383.75	0.02	0.01	386.28
Unmitigated	6.58	0.15	12.22	0.01		0.00	0.61		0.00	0.61	60.54	363.22	423.76	0.20	0.01	430.53
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.58					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	3.85					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.89	0.05	3.58	0.01		0.00	0.56		0.00	0.56	60.54	349.04	409.58	0.19	0.01	416.07
Landscaping	0.26	0.10	8.64	0.00		0.00	0.05		0.00	0.05	0.00	14.18	14.18	0.01	0.00	14.46
Total	6.58	0.15	12.22	0.01		0.00	0.61		0.00	0.61	60.54	363.22	423.76	0.20	0.01	430.53

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.58					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	3.85					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.04	0.00	0.00	0.00		0.00	0.03		0.00	0.03	0.00	369.57	369.57	0.01	0.01	371.82
Landscaping	0.26	0.10	8.64	0.00		0.00	0.05		0.00	0.05	0.00	14.18	14.18	0.01	0.00	14.46
Total	4.73	0.10	8.64	0.00		0.00	0.08		0.00	0.08	0.00	383.75	383.75	0.02	0.01	386.28

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					272.09	1.29	0.04	310.54
Unmitigated					272.09	1.29	0.04	310.54
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			
Condo/Townhouse	14.6597 / 9.24196					85.55	0.45	0.01	98.93
Junior High School	3.87878 / 9.97402					46.97	0.12	0.00	50.66
Place of Worship	0.948149 / 1.483					8.39	0.03	0.00	9.28
Single Family Housing	22.4781 / 14.171					131.18	0.69	0.02	151.69
Total						272.09	1.29	0.03	310.56

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse	14.6597 / 9.24196					85.55	0.45	0.01	98.93
Junior High School	3.87878 / 9.97402					46.97	0.12	0.00	50.66
Place of Worship	0.948149 / 1.483					8.39	0.03	0.00	9.28
Single Family Housing	22.4781 / 14.171					131.18	0.69	0.02	151.69
Total						272.09	1.29	0.03	310.56

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					1,258.58	74.38	0.00	2,820.56
Unmitigated					1,258.58	74.38	0.00	2,820.56
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			
Condo/Townhouse	103.5					21.01	1.24	0.00	47.08
Junior High School	292					59.27	3.50	0.00	132.84
Place of Worship	5400					1,096.15	64.78	0.00	2,456.55
Single Family Housing	404.67					82.14	4.85	0.00	184.09
Total						1,258.57	74.37	0.00	2,820.56

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse	103.5					21.01	1.24	0.00	47.08
Junior High School	292					59.27	3.50	0.00	132.84
Place of Worship	5400					1,096.15	64.78	0.00	2,456.55
Single Family Housing	404.67					82.14	4.85	0.00	184.09
Total						1,258.57	74.37	0.00	2,820.56

9.0 Vegetation

Alberhill Phase 5
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Junior High School	1600	Student
Place of Worship	600	Seat
Condo/Townhouse	225	Dwelling Unit
Single Family Housing	345	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2037 to end of 2041

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2037	3.90	16.80	25.40	0.08	18.30	0.55	18.85	9.93	0.55	10.48	0.00	8,144.33	0.00	0.35	0.00	8,151.69
2038	4.48	14.48	37.08	0.10	9.44	0.51	9.95	3.31	0.51	3.82	0.00	11,019.59	0.00	0.40	0.00	11,027.92
2039	2.85	14.20	32.98	0.11	5.83	0.47	6.29	0.09	0.44	0.53	0.00	9,828.81	0.00	0.25	0.00	9,834.13
2040	2.72	13.75	32.13	0.11	5.83	0.45	6.27	0.09	0.42	0.51	0.00	9,782.36	0.00	0.24	0.00	9,787.43
2041	46.59	9.30	22.47	0.04	1.19	0.23	1.42	0.02	0.23	0.24	0.00	3,928.22	0.00	0.16	0.00	3,931.52
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1 Overall Construction (Maximum Daily Emission)

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					
2037	3.90	16.80	25.40	0.08	7.28	0.55	7.83	3.88	0.55	4.42	0.00	8,144.33	0.00	0.35	0.00	8,151.69
2038	4.48	14.48	37.08	0.10	3.84	0.51	4.35	1.29	0.51	1.80	0.00	11,019.59	0.00	0.40	0.00	11,027.92
2039	2.85	14.20	32.98	0.11	5.83	0.47	6.29	0.09	0.44	0.53	0.00	9,828.81	0.00	0.25	0.00	9,834.13
2040	2.72	13.75	32.13	0.11	5.83	0.45	6.27	0.09	0.42	0.51	0.00	9,782.36	0.00	0.24	0.00	9,787.43
2041	46.59	9.30	22.47	0.04	1.19	0.23	1.42	0.02	0.23	0.24	0.00	3,928.22	0.00	0.16	0.00	3,931.52
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.36	3.33	236.04	0.46		0.00	30.40		0.00	30.40	4,022.34	10,345.70		16.00	0.25	14,780.44
Energy	0.67	5.73	2.74	0.04		0.00	0.46		0.00	0.46		7,258.02		0.14	0.13	7,302.19
Mobile	11.12	31.60	93.48	0.45	46.07	2.00	48.07	0.66	1.95	2.61		35,041.18		0.86		35,059.20
Total	98.15	40.66	332.26	0.95	46.07	2.00	78.93	0.66	1.95	33.47	4,022.34	52,644.90		17.00	0.38	57,141.83

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	26.68	0.54	47.42	0.00		0.00	0.95		0.00	0.94	0.00	10,949.23		0.29	0.20	11,017.06
Energy	0.58	5.01	2.40	0.03		0.00	0.40		0.00	0.40		6,346.55		0.12	0.12	6,385.17
Mobile	11.12	31.60	93.48	0.45	46.07	2.00	48.07	0.66	1.95	2.61		35,041.18		0.86		35,059.20
Total	38.38	37.15	143.30	0.48	46.07	2.00	49.42	0.66	1.95	3.95	0.00	52,336.96		1.27	0.32	52,461.43

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2037

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	3.87	16.78	25.05	0.07		0.54	0.54		0.54	0.54		7,997.70		0.35		8,004.97
Total	3.87	16.78	25.05	0.07	18.07	0.54	18.61	9.93	0.54	10.47		7,997.70		0.35		8,004.97

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.36	0.00	0.23	0.01	0.24	0.00	0.01	0.01		146.63		0.00		146.72
Total	0.04	0.02	0.36	0.00	0.23	0.01	0.24	0.00	0.01	0.01		146.63		0.00		146.72

3.2 Site Preparation - 2037

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					7.05	0.00	7.05	3.87	0.00	3.87						0.00
Off-Road	3.87	16.78	25.05	0.07		0.54	0.54		0.54	0.54	0.00	7,997.70		0.35		8,004.97
Total	3.87	16.78	25.05	0.07	7.05	0.54	7.59	3.87	0.54	4.41	0.00	7,997.70		0.35		8,004.97

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.36	0.00	0.23	0.01	0.24	0.00	0.01	0.01		146.63		0.00		146.72
Total	0.04	0.02	0.36	0.00	0.23	0.01	0.24	0.00	0.01	0.01		146.63		0.00		146.72

3.3 Grading - 2038

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					9.18	0.00	9.18	3.31	0.00	3.31						0.00
Off-Road	4.43	14.45	36.69	0.10		0.50	0.50		0.50	0.50		10,856.67		0.39		10,864.90
Total	4.43	14.45	36.69	0.10	9.18	0.50	9.68	3.31	0.50	3.81		10,856.67		0.39		10,864.90

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	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.40	0.00	0.26	0.01	0.27	0.00	0.01	0.01		162.92		0.00		163.02
Total	0.04	0.02	0.40	0.00	0.26	0.01	0.27	0.00	0.01	0.01		162.92		0.00		163.02

3.3 Grading - 2038

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					3.58	0.00	3.58	1.29	0.00	1.29						0.00
Off-Road	4.43	14.45	36.69	0.10		0.50	0.50		0.50	0.50	0.00	10,856.67		0.39		10,864.90
Total	4.43	14.45	36.69	0.10	3.58	0.50	4.08	1.29	0.50	1.79	0.00	10,856.67		0.39		10,864.90

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	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.40	0.00	0.26	0.01	0.27	0.00	0.01	0.01		162.92		0.00		163.02
Total	0.04	0.02	0.40	0.00	0.26	0.01	0.27	0.00	0.01	0.01		162.92		0.00		163.02

3.4 Building Construction - 2039

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	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11		4,040.62		0.14		4,043.50
Total	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11		4,040.62		0.14		4,043.50

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.54	6.74	3.72	0.03	0.89	0.17	1.06	0.02	0.15	0.18		2,708.95		0.03		2,709.49
Worker	0.77	0.47	7.49	0.04	4.93	0.19	5.12	0.07	0.17	0.24		3,079.25		0.09		3,081.14
Total	1.31	7.21	11.21	0.07	5.82	0.36	6.18	0.09	0.32	0.42		5,788.20		0.12		5,790.63

3.4 Building Construction - 2039

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	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11	0.00	4,040.62		0.14		4,043.50
Total	1.54	6.99	21.77	0.04		0.11	0.11		0.11	0.11	0.00	4,040.62		0.14		4,043.50

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.54	6.74	3.72	0.03	0.89	0.17	1.06	0.02	0.15	0.18		2,708.95		0.03		2,709.49
Worker	0.77	0.47	7.49	0.04	4.93	0.19	5.12	0.07	0.17	0.24		3,079.25		0.09		3,081.14
Total	1.31	7.21	11.21	0.07	5.82	0.36	6.18	0.09	0.32	0.42		5,788.20		0.12		5,790.63

3.4 Building Construction - 2040

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	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10		4,040.61		0.13		4,043.41
Total	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10		4,040.61		0.13		4,043.41

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	0.53	6.70	3.62	0.03	0.89	0.16	1.06	0.02	0.15	0.17		2,711.97		0.02		2,712.49
Worker	0.68	0.40	6.73	0.04	4.93	0.19	5.12	0.07	0.17	0.24		3,029.77		0.08		3,031.53
Total	1.21	7.10	10.35	0.07	5.82	0.35	6.18	0.09	0.32	0.41		5,741.74		0.10		5,744.02

3.4 Building Construction - 2040

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	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10	0.00	4,040.61		0.13		4,043.41
Total	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10	0.00	4,040.61		0.13		4,043.41

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	0.53	6.70	3.62	0.03	0.89	0.16	1.06	0.02	0.15	0.17		2,711.97		0.02		2,712.49
Worker	0.68	0.40	6.73	0.04	4.93	0.19	5.12	0.07	0.17	0.24		3,029.77		0.08		3,031.53
Total	1.21	7.10	10.35	0.07	5.82	0.35	6.18	0.09	0.32	0.41		5,741.74		0.10		5,744.02

3.5 Paving - 2041

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	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18		2,917.64		0.13		2,920.31
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18		2,917.64		0.13		2,920.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30
Total	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30

3.5 Paving - 2041

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	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18	0.00	2,917.64		0.13		2,920.31
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18	0.00	2,917.64		0.13		2,920.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30
Total	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30

3.6 Architectural Coating - 2041

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	44.88					0.00	0.00		0.00	0.00						0.00
Off-Road	0.11	0.73	1.79	0.00		0.01	0.01		0.01	0.01		281.19		0.01		281.40
Total	44.99	0.73	1.79	0.00		0.01	0.01		0.01	0.01		281.19		0.01		281.40

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	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	0.14	0.08	1.35	0.01	0.99	0.04	1.03	0.01	0.03	0.05		609.16		0.02		609.51
Total	0.14	0.08	1.35	0.01	0.99	0.04	1.03	0.01	0.03	0.05		609.16		0.02		609.51

3.6 Architectural Coating - 2041

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	44.88					0.00	0.00		0.00	0.00						0.00
Off-Road	0.11	0.73	1.79	0.00		0.01	0.01		0.01	0.01	0.00	281.19		0.01		281.40
Total	44.99	0.73	1.79	0.00		0.01	0.01		0.01	0.01	0.00	281.19		0.01		281.40

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	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	0.14	0.08	1.35	0.01	0.99	0.04	1.03	0.01	0.03	0.05		609.16		0.02		609.51
Total	0.14	0.08	1.35	0.01	0.99	0.04	1.03	0.01	0.03	0.05		609.16		0.02		609.51

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	11.12	31.60	93.48	0.45	46.07	2.00	48.07	0.66	1.95	2.61		35,041.18		0.86		35,059.20
Unmitigated	11.12	31.60	93.48	0.45	46.07	2.00	48.07	0.66	1.95	2.61		35,041.18		0.86		35,059.20
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
Junior High School	1,664.00	0.00	0.00	2,672,140	2,672,140
Condo/Townhouse	837.00	837.00	837.00	2,377,180	2,377,180
Place of Worship	954.00	540.00	540.00	1,563,360	1,563,360
Single Family Housing	2,114.85	2,114.85	2114.85	6,006,428	6,006,428
Total	5,569.85	3,491.85	3,491.85	12,619,108	12,619,108

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
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.58	5.01	2.40	0.03		0.00	0.40		0.00	0.40		6,346.55		0.12	0.12	6,385.17
NaturalGas Unmitigated	0.67	5.73	2.74	0.04		0.00	0.46		0.00	0.46		7,258.02		0.14	0.13	7,302.19
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Condo/Townhouse	15920	0.17	1.47	0.62	0.01		0.00	0.12		0.00	0.12		1,872.95		0.04	0.03	1,884.34
Junior High School	4705.04	0.05	0.46	0.39	0.00		0.00	0.04		0.00	0.04		553.53		0.01	0.01	556.90
Place of Worship	2763.8	0.03	0.27	0.23	0.00		0.00	0.02		0.00	0.02		325.15		0.01	0.01	327.13
Single Family Housing	38304.3	0.41	3.53	1.50	0.02		0.00	0.29		0.00	0.29		4,506.38		0.09	0.08	4,533.81
Total		0.66	5.73	2.74	0.03		0.00	0.47		0.00	0.47		7,258.01		0.15	0.13	7,302.18

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Condo/Townhouse	13.8447	0.15	1.28	0.54	0.01		0.00	0.10		0.00	0.10		1,628.78		0.03	0.03	1,638.70
Junior High School	4.13766	0.04	0.41	0.34	0.00		0.00	0.03		0.00	0.03		486.78		0.01	0.01	489.75
Place of Worship	2.56256	0.03	0.25	0.21	0.00		0.00	0.02		0.00	0.02		301.48		0.01	0.01	303.31
Single Family Housing	33.4008	0.36	3.08	1.31	0.02		0.00	0.25		0.00	0.25		3,929.51		0.08	0.07	3,953.42
Total		0.58	5.02	2.40	0.03		0.00	0.40		0.00	0.40		6,346.55		0.13	0.12	6,385.18

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.68	0.54	47.42	0.00		0.00	0.95		0.00	0.94	0.00	10,949.23		0.29	0.20	11,017.06
Unmitigated	86.36	3.33	236.04	0.46		0.00	30.40		0.00	30.40	4,022.34	10,345.70		16.00	0.25	14,780.44
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	3.20					0.00	0.00		0.00	0.00						0.00
Consumer Products	21.08					0.00	0.00		0.00	0.00						0.00
Hearth	60.67	2.78	188.67	0.46		0.00	30.14		0.00	30.13	4,022.34	10,260.00		15.92	0.25	14,693.03
Landscaping	1.42	0.54	47.36	0.00		0.00	0.26		0.00	0.26		85.70		0.08		87.42
Total	86.37	3.32	236.03	0.46		0.00	30.40		0.00	30.39	4,022.34	10,345.70		16.00	0.25	14,780.45

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	3.20					0.00	0.00		0.00	0.00						0.00
Consumer Products	21.08					0.00	0.00		0.00	0.00						0.00
Hearth	1.00	0.00	0.05	0.00		0.00	0.69		0.00	0.68	0.00	10,863.53		0.21	0.20	10,929.64
Landscaping	1.42	0.54	47.36	0.00		0.00	0.26		0.00	0.26		85.70		0.08		87.42
Total	26.70	0.54	47.41	0.00		0.00	0.95		0.00	0.94	0.00	10,949.23		0.29	0.20	11,017.06

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Alberhill Phase 6
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	196	1000sqft
Condo/Townhouse	400	Dwelling Unit
Regional Shopping Center	589	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2042 to end of 2046

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -
Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2042	0.46	1.66	3.16	0.01	2.37	0.05	2.42	1.29	0.05	1.34	0.00	955.22	955.22	0.04	0.00	955.99
2043	0.54	1.42	4.74	0.01	0.91	0.05	0.96	0.44	0.05	0.49	0.00	1,297.76	1,297.76	0.04	0.00	1,298.66
2044	0.45	2.46	4.95	0.02	1.01	0.08	1.10	0.02	0.08	0.10	0.00	1,521.77	1,521.77	0.03	0.00	1,522.49
2045	0.45	2.45	4.93	0.02	1.01	0.08	1.09	0.02	0.08	0.10	0.00	1,515.94	1,515.94	0.03	0.00	1,516.66
2046	10.88	1.21	2.97	0.01	0.19	0.03	0.22	0.00	0.03	0.03	0.00	486.26	486.26	0.02	0.00	486.66
Total	12.78	9.20	20.75	0.07	5.49	0.29	5.79	1.77	0.29	2.06	0.00	5,776.95	5,776.95	0.16	0.00	5,780.46

2.1 Overall Construction

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					
2042	0.46	1.66	3.16	0.01	0.94	0.05	0.99	0.50	0.05	0.55	0.00	955.22	955.22	0.04	0.00	955.99
2043	0.54	1.42	4.74	0.01	0.37	0.05	0.42	0.17	0.05	0.22	0.00	1,297.76	1,297.76	0.04	0.00	1,298.66
2044	0.45	2.46	4.95	0.02	1.01	0.08	1.10	0.02	0.08	0.10	0.00	1,521.77	1,521.77	0.03	0.00	1,522.49
2045	0.45	2.45	4.93	0.02	1.01	0.08	1.09	0.02	0.08	0.10	0.00	1,515.94	1,515.94	0.03	0.00	1,516.66
2046	10.88	1.21	2.97	0.01	0.19	0.03	0.22	0.00	0.03	0.03	0.00	486.26	486.26	0.02	0.00	486.66
Total	12.78	9.20	20.75	0.07	3.52	0.29	3.82	0.71	0.29	1.00	0.00	5,776.95	5,776.95	0.16	0.00	5,780.46

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	6.85	0.10	8.57	0.00		0.00	0.43		0.00	0.43	42.49	254.89	297.38	0.14	0.01	302.12
Energy	0.07	0.58	0.29	0.00		0.00	0.05		0.00	0.05	0.00	4,529.33	4,529.33	0.19	0.08	4,557.60
Mobile	5.99	18.10	49.02	0.21	20.42	1.00	21.42	0.32	0.98	1.30	0.00	15,125.79	15,125.79	0.39	0.00	15,134.04
Waste						0.00	0.00		0.00	0.00	199.89	0.00	199.89	11.81	0.00	447.97
Water						0.00	0.00		0.00	0.00	0.00	605.56	605.56	3.22	0.09	700.88
Total	12.91	18.78	57.88	0.21	20.42	1.00	21.90	0.32	0.98	1.78	242.38	20,515.57	20,757.95	15.75	0.18	21,142.61

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.55	0.07	6.06	0.00		0.00	0.05		0.00	0.05	0.00	269.30	269.30	0.01	0.00	271.07
Energy	0.06	0.50	0.25	0.00		0.00	0.04		0.00	0.04	0.00	4,249.15	4,249.15	0.18	0.07	4,275.67
Mobile	5.99	18.10	49.02	0.21	20.42	1.00	21.42	0.32	0.98	1.30	0.00	15,125.79	15,125.79	0.39	0.00	15,134.04
Waste						0.00	0.00		0.00	0.00	199.89	0.00	199.89	11.81	0.00	447.97
Water						0.00	0.00		0.00	0.00	0.00	605.56	605.56	3.22	0.09	700.88
Total	11.60	18.67	55.33	0.21	20.42	1.00	21.51	0.32	0.98	1.39	199.89	20,249.80	20,449.69	15.61	0.16	20,829.63

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2042

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					2.34	0.00	2.34	1.29	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.46	1.65	3.13	0.01		0.05	0.05		0.05	0.05	0.00	939.32	939.32	0.04	0.00	940.08
Total	0.46	1.65	3.13	0.01	2.34	0.05	2.39	1.29	0.05	1.34	0.00	939.32	939.32	0.04	0.00	940.08

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	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	15.91	15.91	0.00	0.00	15.91
Total	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	15.91	15.91	0.00	0.00	15.91

3.2 Site Preparation - 2042

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					0.91	0.00	0.91	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.46	1.65	3.13	0.01		0.05	0.05		0.05	0.05	0.00	939.32	939.32	0.04	0.00	940.08
Total	0.46	1.65	3.13	0.01	0.91	0.05	0.96	0.50	0.05	0.55	0.00	939.32	939.32	0.04	0.00	940.08

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	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	15.91	15.91	0.00	0.00	15.91
Total	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	15.91	15.91	0.00	0.00	15.91

3.3 Grading - 2043

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					0.88	0.00	0.88	0.44	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.54	1.42	4.70	0.01		0.05	0.05		0.05	0.05	0.00	1,280.02	1,280.02	0.04	0.00	1,280.91
Total	0.54	1.42	4.70	0.01	0.88	0.05	0.93	0.44	0.05	0.49	0.00	1,280.02	1,280.02	0.04	0.00	1,280.91

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	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.74	17.74	0.00	0.00	17.75
Total	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.74	17.74	0.00	0.00	17.75

3.3 Grading - 2043

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					0.34	0.00	0.34	0.17	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.54	1.42	4.70	0.01		0.05	0.05		0.05	0.05	0.00	1,280.02	1,280.02	0.04	0.00	1,280.91
Total	0.54	1.42	4.70	0.01	0.34	0.05	0.39	0.17	0.05	0.22	0.00	1,280.02	1,280.02	0.04	0.00	1,280.91

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	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.74	17.74	0.00	0.00	17.75
Total	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	17.74	17.74	0.00	0.00	17.75

3.4 Building Construction - 2044

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	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56
Total	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.13	1.51	0.95	0.01	0.19	0.04	0.22	0.01	0.03	0.04	0.00	563.59	563.59	0.01	0.00	563.70
Worker	0.12	0.08	1.16	0.01	0.83	0.03	0.86	0.01	0.03	0.04	0.00	479.96	479.96	0.01	0.00	480.23
Total	0.25	1.59	2.11	0.02	1.02	0.07	1.08	0.02	0.06	0.08	0.00	1,043.55	1,043.55	0.02	0.00	1,043.93

3.4 Building Construction - 2044

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	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56
Total	0.20	0.87	2.84	0.01		0.01	0.01		0.01	0.01	0.00	478.23	478.23	0.02	0.00	478.56

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.13	1.51	0.95	0.01	0.19	0.04	0.22	0.01	0.03	0.04	0.00	563.59	563.59	0.01	0.00	563.70
Worker	0.12	0.08	1.16	0.01	0.83	0.03	0.86	0.01	0.03	0.04	0.00	479.96	479.96	0.01	0.00	480.23
Total	0.25	1.59	2.11	0.02	1.02	0.07	1.08	0.02	0.06	0.08	0.00	1,043.55	1,043.55	0.02	0.00	1,043.93

3.4 Building Construction - 2045

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	0.20	0.86	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.73
Total	0.20	0.86	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.73

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	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.13	1.51	0.94	0.01	0.19	0.04	0.22	0.01	0.03	0.04	0.00	561.43	561.43	0.01	0.00	561.54
Worker	0.12	0.08	1.16	0.01	0.82	0.03	0.86	0.01	0.03	0.04	0.00	478.12	478.12	0.01	0.00	478.39
Total	0.25	1.59	2.10	0.02	1.01	0.07	1.08	0.02	0.06	0.08	0.00	1,039.55	1,039.55	0.02	0.00	1,039.93

3.4 Building Construction - 2045

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	0.20	0.86	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.73
Total	0.20	0.86	2.83	0.01		0.01	0.01		0.01	0.01	0.00	476.40	476.40	0.02	0.00	476.73

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	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.13	1.51	0.94	0.01	0.19	0.04	0.22	0.01	0.03	0.04	0.00	561.43	561.43	0.01	0.00	561.54
Worker	0.12	0.08	1.16	0.01	0.82	0.03	0.86	0.01	0.03	0.04	0.00	478.12	478.12	0.01	0.00	478.39
Total	0.25	1.59	2.10	0.02	1.01	0.07	1.08	0.02	0.06	0.08	0.00	1,039.55	1,039.55	0.02	0.00	1,039.93

3.5 Paving - 2046

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	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31
Total	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31

3.5 Paving - 2046

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	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.19	1.10	2.48	0.00		0.02	0.02		0.02	0.02	0.00	344.00	344.00	0.01	0.00	344.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31
Total	0.00	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.31	13.31	0.00	0.00	13.31

3.6 Architectural Coating - 2046

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	10.65					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18
Total	10.66	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.02	0.02	0.23	0.00	0.17	0.01	0.17	0.00	0.01	0.01	0.00	95.80	95.80	0.00	0.00	95.86
Total	0.02	0.02	0.23	0.00	0.17	0.01	0.17	0.00	0.01	0.01	0.00	95.80	95.80	0.00	0.00	95.86

3.6 Architectural Coating - 2046

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	10.65					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18
Total	10.66	0.09	0.23	0.00		0.00	0.00		0.00	0.00	0.00	33.15	33.15	0.00	0.00	33.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.02	0.02	0.23	0.00	0.17	0.01	0.17	0.00	0.01	0.01	0.00	95.80	95.80	0.00	0.00	95.86
Total	0.02	0.02	0.23	0.00	0.17	0.01	0.17	0.00	0.01	0.01	0.00	95.80	95.80	0.00	0.00	95.86

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	5.99	18.10	49.02	0.21	20.42	1.00	21.42	0.32	0.98	1.30	0.00	15,125.79	15,125.79	0.39	0.00	15,134.04
Unmitigated	5.99	18.10	49.02	0.21	20.42	1.00	21.42	0.32	0.98	1.30	0.00	15,125.79	15,125.79	0.39	0.00	15,134.04
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	1,488.00	1,488.00	1488.00	4,226,099	4,226,099
General Office Building	1,383.76	464.52	192.08	2,586,191	2,586,191
Regional Shopping Center	17,540.42	17,540.42	17540.42	30,753,703	30,753,703
Total	20,412.18	19,492.94	19,220.50	37,565,992	37,565,992

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	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	3,673.90	3,673.90	0.17	0.06	3,696.92
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	3,866.97	3,866.97	0.17	0.07	3,891.21
NaturalGas Mitigated	0.06	0.50	0.25	0.00		0.00	0.04		0.00	0.04	0.00	575.25	575.25	0.01	0.01	578.75
NaturalGas Unmitigated	0.07	0.58	0.29	0.00		0.00	0.05		0.00	0.05	0.00	662.36	662.36	0.01	0.01	666.39
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					
Condo/Townhouse	1.03303e+007	0.06	0.48	0.20	0.00		0.00	0.04		0.00	0.04	0.00	551.27	551.27	0.01	0.01	554.62
General Office Building	715400	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	38.18	38.18	0.00	0.00	38.41
Regional Shopping Center	1.36648e+006	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01	0.00	72.92	72.92	0.00	0.00	73.36
Total		0.07	0.59	0.29	0.00		0.00	0.05		0.00	0.05	0.00	662.37	662.37	0.01	0.01	666.39

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					
Condo/Townhouse	8.98365e+006	0.05	0.41	0.18	0.00		0.00	0.03		0.00	0.03	0.00	479.40	479.40	0.01	0.01	482.32
General Office Building	608090	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	32.45	32.45	0.00	0.00	32.65
Regional Shopping Center	1.18801e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	63.40	63.40	0.00	0.00	63.78
Total		0.06	0.50	0.26	0.00		0.00	0.03		0.00	0.03	0.00	575.25	575.25	0.01	0.01	578.75

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			
Condo/Townhouse	1.97549e+006					574.61	0.03	0.01	578.21
General Office Building	2.09524e+006					609.44	0.03	0.01	613.26
Regional Shopping Center	9.22374e+006					2,682.92	0.12	0.05	2,699.73
Total						3,866.97	0.18	0.07	3,891.20

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse	1.91672e+006					557.52	0.03	0.01	561.01
General Office Building	1.98499e+006					577.38	0.03	0.01	580.99
Regional Shopping Center	8.72898e+006					2,539.00	0.11	0.04	2,554.92
Total						3,673.90	0.17	0.06	3,696.92

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.55	0.07	6.06	0.00		0.00	0.05		0.00	0.05	0.00	269.30	269.30	0.01	0.00	271.07
Unmitigated	6.85	0.10	8.57	0.00		0.00	0.43		0.00	0.43	42.49	254.89	297.38	0.14	0.01	302.12
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.07					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	4.28					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.33	0.03	2.51	0.00		0.00	0.39		0.00	0.39	42.49	244.94	287.43	0.13	0.01	291.98
Landscaping	0.18	0.07	6.06	0.00		0.00	0.03		0.00	0.03	0.00	9.95	9.95	0.01	0.00	10.15
Total	6.86	0.10	8.57	0.00		0.00	0.42		0.00	0.42	42.49	254.89	297.38	0.14	0.01	302.13

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.07					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	4.28					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.03	0.00	0.00	0.00		0.00	0.02		0.00	0.02	0.00	259.35	259.35	0.00	0.00	260.93
Landscaping	0.18	0.07	6.06	0.00		0.00	0.03		0.00	0.03	0.00	9.95	9.95	0.01	0.00	10.15
Total	5.56	0.07	6.06	0.00		0.00	0.05		0.00	0.05	0.00	269.30	269.30	0.01	0.00	271.08

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					605.56	3.22	0.09	700.88
Unmitigated					605.56	3.22	0.09	700.88
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			
Condo/Townhouse	26.0616 / 16.4301					152.09	0.80	0.02	175.87
General Office Building	34.8358 / 21.351					201.33	1.07	0.03	233.09
Regional Shopping Center	43.6287 / 26.7402					252.14	1.34	0.04	291.92
Total						605.56	3.21	0.09	700.88

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse	26.0616 / 16.4301					152.09	0.80	0.02	175.87
General Office Building	34.8358 / 21.351					201.33	1.07	0.03	233.09
Regional Shopping Center	43.6287 / 26.7402					252.14	1.34	0.04	291.92
Total						605.56	3.21	0.09	700.88

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					199.89	11.81	0.00	447.97
Unmitigated					199.89	11.81	0.00	447.97
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			
Condo/Townhouse	184					37.35	2.21	0.00	83.70
General Office Building	182.28					37.00	2.19	0.00	82.92
Regional Shopping Center	618.45					125.54	7.42	0.00	281.34
Total						199.89	11.82	0.00	447.96

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse	184					37.35	2.21	0.00	83.70
General Office Building	182.28					37.00	2.19	0.00	82.92
Regional Shopping Center	618.45					125.54	7.42	0.00	281.34
Total						199.89	11.82	0.00	447.96

9.0 Vegetation

Alberhill Phase 6
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	196	1000sqft
Condo/Townhouse	400	Dwelling Unit
Regional Shopping Center	589	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	10	Precipitation Freq (Days)	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction from beginning 2042 to end of 2046

Vehicle Trips - Trip rates provided by traffic consultant for this project

Construction Off-road Equipment Mitigation -

Area Mitigation -
 Energy Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2042	3.55	12.80	24.46	0.08	18.30	0.38	18.68	9.93	0.38	10.31	0.00	8,141.96	0.00	0.31	0.00	8,148.55
2043	4.16	10.93	36.53	0.10	7.05	0.37	7.41	3.31	0.36	3.68	0.00	11,016.96	0.00	0.36	0.00	11,024.60
2044	3.41	19.03	37.77	0.15	8.61	0.65	9.26	0.14	0.61	0.74	0.00	13,141.74	0.00	0.30	0.00	13,147.96
2045	3.41	19.03	37.77	0.15	8.61	0.65	9.26	0.14	0.61	0.74	0.00	13,141.74	0.00	0.30	0.00	13,147.96
2046	83.70	9.33	23.04	0.05	1.61	0.25	1.85	0.02	0.24	0.26	0.00	4,184.71	0.00	0.16	0.00	4,188.16
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1 Overall Construction (Maximum Daily Emission)

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					
2042	3.55	12.80	24.46	0.08	7.28	0.38	7.66	3.88	0.38	4.25	0.00	8,141.96	0.00	0.31	0.00	8,148.55
2043	4.16	10.93	36.53	0.10	2.91	0.37	3.27	1.29	0.36	1.66	0.00	11,016.96	0.00	0.36	0.00	11,024.60
2044	3.41	19.03	37.77	0.15	8.61	0.65	9.26	0.14	0.61	0.74	0.00	13,141.74	0.00	0.30	0.00	13,147.96
2045	3.41	19.03	37.77	0.15	8.61	0.65	9.26	0.14	0.61	0.74	0.00	13,141.74	0.00	0.30	0.00	13,147.96
2046	83.70	9.33	23.04	0.05	1.61	0.25	1.85	0.02	0.24	0.26	0.00	4,184.71	0.00	0.16	0.00	4,188.16
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	72.87	2.33	165.64	0.32		0.00	21.34		0.00	21.33	2,822.69	7,260.14		11.23	0.17	10,372.24
Energy	0.37	3.17	1.58	0.02		0.00	0.25		0.00	0.25		4,000.71		0.08	0.07	4,025.06
Mobile	34.28	102.81	272.53	1.24	126.82	5.60	132.42	1.82	5.46	7.27		97,749.62		2.44		97,800.87
Total	107.52	108.31	439.75	1.58	126.82	5.60	154.01	1.82	5.46	28.85	2,822.69	109,010.47		13.75	0.24	112,198.17

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	30.99	0.38	33.28	0.00		0.00	0.67		0.00	0.66	0.00	7,683.67		0.20	0.14	7,731.27
Energy	0.32	2.75	1.37	0.02		0.00	0.22		0.00	0.22		3,474.54		0.07	0.06	3,495.68
Mobile	34.28	102.81	272.53	1.24	126.82	5.60	132.42	1.82	5.46	7.27		97,749.62		2.44		97,800.87
Total	65.59	105.94	307.18	1.26	126.82	5.60	133.31	1.82	5.46	8.15	0.00	108,907.83		2.71	0.20	109,027.82

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2042

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	3.52	12.78	24.14	0.07		0.37	0.37		0.37	0.37		7,997.69		0.31		8,004.19
Total	3.52	12.78	24.14	0.07	18.07	0.37	18.44	9.93	0.37	10.30		7,997.69		0.31		8,004.19

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.32	0.00	0.23	0.01	0.24	0.00	0.01	0.01		144.27		0.00		144.36
Total	0.03	0.02	0.32	0.00	0.23	0.01	0.24	0.00	0.01	0.01		144.27		0.00		144.36

3.2 Site Preparation - 2042

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					7.05	0.00	7.05	3.87	0.00	3.87						0.00
Off-Road	3.52	12.78	24.14	0.07		0.37	0.37		0.37	0.37	0.00	7,997.69		0.31		8,004.19
Total	3.52	12.78	24.14	0.07	7.05	0.37	7.42	3.87	0.37	4.24	0.00	7,997.69		0.31		8,004.19

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.32	0.00	0.23	0.01	0.24	0.00	0.01	0.01		144.27		0.00		144.36
Total	0.03	0.02	0.32	0.00	0.23	0.01	0.24	0.00	0.01	0.01		144.27		0.00		144.36

3.3 Grading - 2043

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					6.79	0.00	6.79	3.31	0.00	3.31						0.00
Off-Road	4.13	10.91	36.18	0.10		0.36	0.36		0.36	0.36		10,856.65		0.36		10,864.20
Total	4.13	10.91	36.18	0.10	6.79	0.36	7.15	3.31	0.36	3.67		10,856.65		0.36		10,864.20

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.36	0.00	0.26	0.01	0.27	0.00	0.01	0.01		160.31		0.00		160.40
Total	0.04	0.02	0.36	0.00	0.26	0.01	0.27	0.00	0.01	0.01		160.31		0.00		160.40

3.3 Grading - 2043

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					2.65	0.00	2.65	1.29	0.00	1.29						0.00
Off-Road	4.13	10.91	36.18	0.10		0.36	0.36		0.36	0.36	0.00	10,856.65		0.36		10,864.20
Total	4.13	10.91	36.18	0.10	2.65	0.36	3.01	1.29	0.36	1.65	0.00	10,856.65		0.36		10,864.20

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.02	0.36	0.00	0.26	0.01	0.27	0.00	0.01	0.01		160.31		0.00		160.40
Total	0.04	0.02	0.36	0.00	0.26	0.01	0.27	0.00	0.01	0.01		160.31		0.00		160.40

3.4 Building Construction - 2044

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	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10		4,040.61		0.13		4,043.41
Total	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10		4,040.61		0.13		4,043.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.93	11.82	6.39	0.05	1.57	0.29	1.86	0.04	0.27	0.31		4,780.89		0.04		4,781.82
Worker	0.96	0.57	9.60	0.06	7.04	0.27	7.30	0.09	0.25	0.34		4,320.23		0.12		4,322.73
Total	1.89	12.39	15.99	0.11	8.61	0.56	9.16	0.13	0.52	0.65		9,101.12		0.16		9,104.55

3.4 Building Construction - 2044

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	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10	0.00	4,040.61		0.13		4,043.41
Total	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10	0.00	4,040.61		0.13		4,043.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.93	11.82	6.39	0.05	1.57	0.29	1.86	0.04	0.27	0.31		4,780.89		0.04		4,781.82
Worker	0.96	0.57	9.60	0.06	7.04	0.27	7.30	0.09	0.25	0.34		4,320.23		0.12		4,322.73
Total	1.89	12.39	15.99	0.11	8.61	0.56	9.16	0.13	0.52	0.65		9,101.12		0.16		9,104.55

3.4 Building Construction - 2045

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	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10		4,040.61		0.13		4,043.41
Total	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10		4,040.61		0.13		4,043.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.93	11.82	6.39	0.05	1.57	0.29	1.86	0.04	0.27	0.31		4,780.89		0.04		4,781.82
Worker	0.96	0.57	9.60	0.06	7.04	0.27	7.30	0.09	0.25	0.34		4,320.23		0.12		4,322.73
Total	1.89	12.39	15.99	0.11	8.61	0.56	9.16	0.13	0.52	0.65		9,101.12		0.16		9,104.55

3.4 Building Construction - 2045

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	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10	0.00	4,040.61		0.13		4,043.41
Total	1.51	6.65	21.78	0.04		0.10	0.10		0.10	0.10	0.00	4,040.61		0.13		4,043.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.93	11.82	6.39	0.05	1.57	0.29	1.86	0.04	0.27	0.31		4,780.89		0.04		4,781.82
Worker	0.96	0.57	9.60	0.06	7.04	0.27	7.30	0.09	0.25	0.34		4,320.23		0.12		4,322.73
Total	1.89	12.39	15.99	0.11	8.61	0.56	9.16	0.13	0.52	0.65		9,101.12		0.16		9,104.55

3.5 Paving - 2046

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	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18		2,917.64		0.13		2,920.31
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18		2,917.64		0.13		2,920.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30
Total	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30

3.5 Paving - 2046

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	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18	0.00	2,917.64		0.13		2,920.31
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.43	8.48	19.06	0.03		0.18	0.18		0.18	0.18	0.00	2,917.64		0.13		2,920.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30
Total	0.03	0.02	0.27	0.00	0.20	0.01	0.20	0.00	0.01	0.01		120.23		0.00		120.30

3.6 Architectural Coating - 2046

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	81.93					0.00	0.00		0.00	0.00						0.00
Off-Road	0.11	0.73	1.79	0.00		0.01	0.01		0.01	0.01		281.19		0.01		281.40
Total	82.04	0.73	1.79	0.00		0.01	0.01		0.01	0.01		281.19		0.01		281.40

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	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	0.19	0.11	1.92	0.01	1.41	0.05	1.46	0.02	0.05	0.07		865.65		0.02		866.15
Total	0.19	0.11	1.92	0.01	1.41	0.05	1.46	0.02	0.05	0.07		865.65		0.02		866.15

3.6 Architectural Coating - 2046

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	81.93					0.00	0.00		0.00	0.00						0.00
Off-Road	0.11	0.73	1.79	0.00		0.01	0.01		0.01	0.01	0.00	281.19		0.01		281.40
Total	82.04	0.73	1.79	0.00		0.01	0.01		0.01	0.01	0.00	281.19		0.01		281.40

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	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	0.19	0.11	1.92	0.01	1.41	0.05	1.46	0.02	0.05	0.07		865.65		0.02		866.15
Total	0.19	0.11	1.92	0.01	1.41	0.05	1.46	0.02	0.05	0.07		865.65		0.02		866.15

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	34.28	102.81	272.53	1.24	126.82	5.60	132.42	1.82	5.46	7.27		97,749.62		2.44		97,800.87
Unmitigated	34.28	102.81	272.53	1.24	126.82	5.60	132.42	1.82	5.46	7.27		97,749.62		2.44		97,800.87
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	1,488.00	1,488.00	1488.00	4,226,099	4,226,099
General Office Building	1,383.76	464.52	192.08	2,586,191	2,586,191
Regional Shopping Center	17,540.42	17,540.42	17540.42	30,753,703	30,753,703
Total	20,412.18	19,492.94	19,220.50	37,565,992	37,565,992

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Condo/Townhouse	10.80	7.30	7.50	40.20	19.20	40.60
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	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	lb/day										lb/day					
NaturalGas Mitigated	0.32	2.75	1.37	0.02		0.00	0.22		0.00	0.22		3,474.54		0.07	0.06	3,495.68
NaturalGas Unmitigated	0.37	3.17	1.58	0.02		0.00	0.25		0.00	0.25		4,000.71		0.08	0.07	4,025.06
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Condo/Townhouse	28302.3	0.31	2.61	1.11	0.02		0.00	0.21		0.00	0.21		3,329.68		0.06	0.06	3,349.95
General Office Building	1960	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	231.99
Regional Shopping Center	3743.78	0.04	0.37	0.31	0.00		0.00	0.03		0.00	0.03		440.44		0.01	0.01	443.13
Total		0.37	3.17	1.58	0.02		0.00	0.25		0.00	0.25		4,000.71		0.07	0.07	4,025.07

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Condo/Townhouse	24.6127	0.27	2.27	0.97	0.01		0.00	0.18		0.00	0.18		2,895.62		0.06	0.05	2,913.24
General Office Building	1.666	0.02	0.16	0.14	0.00		0.00	0.01		0.00	0.01		196.00		0.00	0.00	197.19
Regional Shopping Center	3.25483	0.04	0.32	0.27	0.00		0.00	0.02		0.00	0.02		382.92		0.01	0.01	385.25
Total		0.33	2.75	1.38	0.01		0.00	0.21		0.00	0.21		3,474.54		0.07	0.06	3,495.68

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.99	0.38	33.28	0.00		0.00	0.67		0.00	0.66	0.00	7,683.67		0.20	0.14	7,731.27
Unmitigated	72.87	2.33	165.64	0.32		0.00	21.34		0.00	21.33	2,822.69	7,260.14		11.23	0.17	10,372.24
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	5.84					0.00	0.00		0.00	0.00						0.00
Consumer Products	23.46					0.00	0.00		0.00	0.00						0.00
Hearth	42.58	1.95	132.40	0.32		0.00	21.15		0.00	21.15	2,822.69	7,200.00		11.17	0.17	10,310.90
Landscaping	0.99	0.38	33.24	0.00		0.00	0.18		0.00	0.18		60.14		0.06		61.34
Total	72.87	2.33	165.64	0.32		0.00	21.33		0.00	21.33	2,822.69	7,260.14		11.23	0.17	10,372.24

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.84					0.00	0.00		0.00	0.00						0.00
Consumer Products	23.46					0.00	0.00		0.00	0.00						0.00
Hearth	0.70	0.00	0.04	0.00		0.00	0.48		0.00	0.48	0.00	7,623.53		0.15	0.14	7,669.92
Landscaping	0.99	0.38	33.24	0.00		0.00	0.18		0.00	0.18		60.14		0.06		61.34
Total	30.99	0.38	33.28	0.00		0.00	0.66		0.00	0.66	0.00	7,683.67		0.21	0.14	7,731.26

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation
