

APPENDIX F

Results of Air Quality Modeling for Existing Conditions and Buildout

Gaviota Coast Plan Existing Development 2015 Emissions Santa Barbara-South of Santa Ynez Range County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	17.00	Dwelling Unit	1.06	17,000.00	46
Single Family Housing	234.00	Dwelling Unit	75.97	421,200.00	636

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

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	2.4576	0.0224	1.8987	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108
Energy	0.0497	0.4246	0.1807	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	990.7973	990.7973	0.0324	0.0138	995.7429

Mobile	2.0181	5.0638	22.6610	0.0328	2.4380	0.0583	2.4963	0.6529	0.0535	0.7064	0.0000	2,660.7290	2,660.7290	0.1443	0.0000	2,663.7600
Waste						0.0000	0.0000		0.0000	0.0000	54.5193	0.0000	54.5193	3.2220	0.0000	122.1813
Water						0.0000	0.0000		0.0000	0.0000	5.7860	35.6491	41.4350	0.0216	0.0129	45.8933
Total	4.5254	5.5108	24.7403	0.0356	2.4380	0.1028	2.5408	0.6529	0.0980	0.7509	60.3053	3,690.2196	3,750.5249	3.4234	0.0267	3,830.6884

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	2.4576	0.0224	1.8987	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108
Energy	0.0497	0.4246	0.1807	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	990.7973	990.7973	0.0324	0.0138	995.7429
Mobile	2.0181	5.0638	22.6610	0.0328	2.4380	0.0583	2.4963	0.6529	0.0535	0.7064	0.0000	2,660.7290	2,660.7290	0.1443	0.0000	2,663.7600
Waste						0.0000	0.0000		0.0000	0.0000	16.3558	0.0000	16.3558	0.9666	0.0000	36.6544
Water						0.0000	0.0000		0.0000	0.0000	5.7860	35.6491	41.4350	0.0214	0.0129	45.8841
Total	4.5254	5.5108	24.7403	0.0356	2.4380	0.1028	2.5408	0.6529	0.0980	0.7509	22.1417	3,690.2196	3,712.3614	1.1679	0.0267	3,745.1523

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.28	0.00	1.02	65.88	0.07	2.23

4.0 Operational Detail - Mobile

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	2.0181	5.0638	22.6610	0.0328	2.4380	0.0583	2.4963	0.6529	0.0535	0.7064	0.0000	2,660.7290	2,660.7290	0.1443	0.0000	2,663.7600
Unmitigated	2.0181	5.0638	22.6610	0.0328	2.4380	0.0583	2.4963	0.6529	0.0535	0.7064	0.0000	2,660.7290	2,660.7290	0.1443	0.0000	2,663.7600

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	112.03	121.72	103.19	309,441	309,441
Single Family Housing	2,239.38	2,358.72	2052.18	6,151,996	6,151,996
Total	2,351.41	2,480.44	2,155.37	6,461,436	6,461,436

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3
Single Family Housing	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

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						0.0000	0.0000		0.0000	0.0000	0.0000	499.0681	499.0681	0.0229	4.7500e-003	501.0212
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	499.0681	499.0681	0.0229	4.7500e-003	501.0212
NaturalGas Mitigated	0.0497	0.4246	0.1807	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	491.7292	491.7292	9.4200e-003	9.0200e-003	494.7218
NaturalGas Unmitigated	0.0497	0.4246	0.1807	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	491.7292	491.7292	9.4200e-003	9.0200e-003	494.7218

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/yr	tons/yr										MT/yr					
Single Family Housing	9.02077e+006	0.0486	0.4157	0.1769	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.3828	481.3828	9.2300e-003	8.8300e-003	484.3124
Apartments Low Rise	193884	1.0500e-003	8.9300e-003	3.8000e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3464	10.3464	2.0000e-004	1.9000e-004	10.4094
Total		0.0497	0.4246	0.1807	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	491.7292	491.7292	9.4300e-003	9.0200e-003	494.7218

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
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Land Use	kBTU/yr	tons/yr								MT/yr							
Apartments Low Rise	193884	1.0500e-003	8.9300e-003	3.8000e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3464	10.3464	2.0000e-004	1.9000e-004	10.4094
Single Family Housing	9.02077e+006	0.0486	0.4157	0.1769	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.3828	481.3828	9.2300e-003	8.8300e-003	484.3124
Total		0.0497	0.4246	0.1807	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	491.7292	491.7292	9.4300e-003	9.0200e-003	494.7218

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	63577.1	18.1937	8.4000e-004	1.7000e-004	18.2649
Single Family Housing	1.6804e+006	480.8744	0.0221	4.5700e-003	482.7563
Total		499.0681	0.0229	4.7400e-003	501.0212

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	63577.1	18.1937	8.4000e-004	1.7000e-004	18.2649
Single Family Housing	1.6804e+006	480.8744	0.0221	4.5700e-003	482.7563
Total		499.0681	0.0229	4.7400e-003	501.0212

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4576	0.0224	1.8987	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108
Unmitigated	2.4576	0.0224	1.8987	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108

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	0.6855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0607	0.0224	1.8987	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108
Total	2.4576	0.0224	1.8987	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108

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	0.6855						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	1.7114						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	0.0607	0.0224	1.8987	1.0000e-004			0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108
Total	2.4576	0.0224	1.8987	1.0000e-004			0.0102	0.0102		0.0102	0.0102	0.0000	3.0443	3.0443	3.1700e-003	0.0000	3.1108

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.4350	0.0214	0.0129	45.8841
Unmitigated	41.4350	0.0216	0.0129	45.8933

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.10762 / 0.698281	2.8064	1.4600e-003	8.8000e-004	3.1083
Single Family Housing	15.246 / 9.61164	38.6287	0.0201	0.0121	42.7850
Total		41.4350	0.0216	0.0129	45.8933

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.10762 / 0.698281	2.8064	1.4500e-003	8.7000e-004	3.1077
Single Family Housing	15.246 / 9.61164	38.6287	0.0200	0.0120	42.7764
Total		41.4350	0.0214	0.0129	45.8841

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
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	MT/yr			
Unmitigated	54.5193	3.2220	0.0000	122.1813
Mitigated	16.3558	0.9666	0.0000	36.6544

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7.82	1.5874	0.0938	0.0000	3.5574
Single Family Housing	260.76	52.9319	3.1282	0.0000	118.6239
Total		54.5193	3.2220	0.0000	122.1813

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2.346	0.4762	0.0281	0.0000	1.0672
Single Family Housing	78.228	15.8796	0.9385	0.0000	35.5872
Total		16.3558	0.9666	0.0000	36.6544

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Gaviota Coast Plan Existing Development 2035 Emissions Santa Barbara-South of Santa Ynez Range County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	17.00	Dwelling Unit	1.06	17,000.00	46
Single Family Housing	234.00	Dwelling Unit	75.97	421,200.00	636

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	528.37	CH4 Intensity (lb/MW hr)	0.024	N2O Intensity (lb/MW hr)	0.005

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	2.4524	0.0214	1.8572	1.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052
Energy	0.0455	0.3889	0.1655	2.4800e-003		0.0314	0.0314		0.0314	0.0314	0.0000	862.0253	862.0253	0.0273	0.0122	866.3665

Mobile	0.8626	1.6999	8.7514	0.0328	2.4400	0.0358	2.4758	0.6536	0.0331	0.6866	0.0000	2,121.7487	2,121.7487	0.0569	0.0000	2,122.9444
Waste						0.0000	0.0000		0.0000	0.0000	54.5193	0.0000	54.5193	3.2220	0.0000	122.1813
Water						0.0000	0.0000		0.0000	0.0000	5.7860	29.8561	35.6420	0.0213	0.0129	40.0769
Total	3.3605	2.1102	10.7741	0.0354	2.4400	0.0776	2.5176	0.6536	0.0748	0.7284	60.3053	3,016.6744	3,076.9797	3.3304	0.0250	3,154.6742

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	2.4524	0.0214	1.8572	1.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052
Energy	0.0455	0.3889	0.1655	2.4800e-003		0.0314	0.0314		0.0314	0.0314	0.0000	862.0253	862.0253	0.0273	0.0122	866.3665
Mobile	0.8626	1.6999	8.7514	0.0328	2.4400	0.0358	2.4758	0.6536	0.0331	0.6866	0.0000	2,121.7487	2,121.7487	0.0569	0.0000	2,122.9444
Waste						0.0000	0.0000		0.0000	0.0000	16.3558	0.0000	16.3558	0.9666	0.0000	36.6544
Water						0.0000	0.0000		0.0000	0.0000	5.7860	29.8561	35.6420	0.0212	0.0129	40.0692
Total	3.3605	2.1102	10.7741	0.0354	2.4400	0.0776	2.5176	0.6536	0.0748	0.7284	22.1417	3,016.6744	3,038.8161	1.0750	0.0250	3,069.1396

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.28	0.00	1.24	67.72	0.08	2.71

4.0 Operational Detail - Mobile

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	0.8626	1.6999	8.7514	0.0328	2.4400	0.0358	2.4758	0.6536	0.0331	0.6866	0.0000	2,121.7487	2,121.7487	0.0569	0.0000	2,122.9444
Unmitigated	0.8626	1.6999	8.7514	0.0328	2.4400	0.0358	2.4758	0.6536	0.0331	0.6866	0.0000	2,121.7487	2,121.7487	0.0569	0.0000	2,122.9444

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	112.03	121.72	103.19	309,441	309,441
Single Family Housing	2,239.38	2,358.72	2052.18	6,151,996	6,151,996
Total	2,351.41	2,480.44	2,155.37	6,461,436	6,461,436

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3
Single Family Housing	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491782	0.035344	0.208299	0.151084	0.049421	0.007284	0.022101	0.017711	0.002208	0.002109	0.008228	0.001403	0.003026

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

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						0.0000	0.0000		0.0000	0.0000	0.0000	411.6616	411.6616	0.0187	3.9000e-003	413.2619
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	411.6616	411.6616	0.0187	3.9000e-003	413.2619
NaturalGas Mitigated	0.0455	0.3889	0.1655	2.4800e-003		0.0314	0.0314		0.0314	0.0314	0.0000	450.3637	450.3637	8.6300e-003	8.2600e-003	453.1046
NaturalGas Unmitigated	0.0455	0.3889	0.1655	2.4800e-003		0.0314	0.0314		0.0314	0.0314	0.0000	450.3637	450.3637	8.6300e-003	8.2600e-003	453.1046

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/yr	tons/yr										MT/yr					
Single Family Housing	8.25621e+006	0.0445	0.3804	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.5830	440.5830	8.4400e-003	8.0800e-003	443.2643
Apartments Low Rise	183285	9.9000e-004	8.4500e-003	3.5900e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7808	9.7808	1.9000e-004	1.8000e-004	9.8403
Total		0.0455	0.3889	0.1655	2.4800e-003		0.0314	0.0314		0.0314	0.0314	0.0000	450.3637	450.3637	8.6300e-003	8.2600e-003	453.1046

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
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Land Use	kBTU/yr	tons/yr								MT/yr					
Apartments Low Rise	183285	9.9000e-004	8.4500e-003	3.5900e-003	5.0000e-005	6.8000e-004	6.8000e-004	6.8000e-004	6.8000e-004	0.0000	9.7808	9.7808	1.9000e-004	1.8000e-004	9.8403
Single Family Housing	8.25621e+006	0.0445	0.3804	0.1619	2.4300e-003	0.0308	0.0308	0.0308	0.0308	0.0000	440.5830	440.5830	8.4400e-003	8.0800e-003	443.2643
Total		0.0455	0.3889	0.1655	2.4800e-003	0.0314	0.0314	0.0314	0.0314	0.0000	450.3637	450.3637	8.6300e-003	8.2600e-003	453.1046

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	62589.1	15.0004	6.8000e-004	1.4000e-004	15.0587
Single Family Housing	1.65507e+006	396.6612	0.0180	3.7500e-003	398.2032
Total		411.6616	0.0187	3.8900e-003	413.2619

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	62589.1	15.0004	6.8000e-004	1.4000e-004	15.0587
Single Family Housing	1.65507e+006	396.6612	0.0180	3.7500e-003	398.2032
Total		411.6616	0.0187	3.8900e-003	413.2619

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4524	0.0214	1.8572	1.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052
Unmitigated	2.4524	0.0214	1.8572	1.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052

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	0.6855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0555	0.0214	1.8572	1.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052
Total	2.4524	0.0214	1.8572	1.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052

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	0.6855						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	1.7114						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	0.0555	0.0214	1.8572	1.0000e-004			0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052
Total	2.4524	0.0214	1.8572	1.0000e-004			0.0103	0.0103		0.0103	0.0103	0.0000	3.0443	3.0443	2.9000e-003	0.0000	3.1052

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	35.6420	0.0212	0.0129	40.0692
Unmitigated	35.6420	0.0213	0.0129	40.0769

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.10762 / 0.698281	2.4140	1.4400e-003	8.7000e-004	2.7144
Single Family Housing	15.246 / 9.61164	33.2280	0.0198	0.0120	37.3625
Total		35.6420	0.0213	0.0129	40.0769

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.10762 / 0.698281	2.4140	1.4300e-003	8.7000e-004	2.7139
Single Family Housing	15.246 / 9.61164	33.2280	0.0198	0.0120	37.3554
Total		35.6420	0.0212	0.0129	40.0692

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
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	MT/yr			
Unmitigated	54.5193	3.2220	0.0000	122.1813
Mitigated	16.3558	0.9666	0.0000	36.6544

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7.82	1.5874	0.0938	0.0000	3.5574
Single Family Housing	260.76	52.9319	3.1282	0.0000	118.6239
Total		54.5193	3.2220	0.0000	122.1813

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2.346	0.4762	0.0281	0.0000	1.0672
Single Family Housing	78.228	15.8796	0.9385	0.0000	35.5872
Total		16.3558	0.9666	0.0000	36.6544

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Gaviota Coast Plan New Development 2035 Emissions Santa Barbara-South of Santa Ynez Range County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	9.00	Dwelling Unit	0.56	9,000.00	24
Single Family Housing	167.00	Dwelling Unit	54.22	300,600.00	454

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	528.37	CH4 Intensity (lb/MW hr)	0.024	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
2016	0.6966	7.4437	5.4002	6.5200e-003	0.8707	0.3771	1.2478	0.4050	0.3487	0.7537	0.0000	603.9623	603.9623	0.1680	0.0000	607.4912

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	1.7324	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773
Energy	0.0323	0.2760	0.1174	1.7600e-003		0.0223	0.0223		0.0223	0.0223	0.0000	610.6398	610.6398	0.0194	8.6100e-003	613.7163
Mobile	0.6080	1.1981	6.1685	0.0231	1.7198	0.0252	1.7451	0.4607	0.0233	0.4840	0.0000	1,495.5162	1,495.5162	0.0401	0.0000	1,496.3590
Waste						0.0000	0.0000		0.0000	0.0000	38.6251	0.0000	38.6251	2.2827	0.0000	86.5614
Water						0.0000	0.0000		0.0000	0.0000	4.0571	20.9349	24.9920	0.0149	9.0200e-003	28.1017
Total	2.3727	1.4891	7.5881	0.0249	1.7198	0.0548	1.7746	0.4607	0.0529	0.5135	42.6822	2,129.2256	2,171.9078	2.3591	0.0176	2,226.9157

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	1.7324	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773
Energy	0.0256	0.2186	0.0930	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	540.3142	540.3142	0.0179	7.3600e-003	542.9711
Mobile	0.6080	1.1981	6.1685	0.0231	1.7198	0.0252	1.7451	0.4607	0.0233	0.4840	0.0000	1,495.5162	1,495.5162	0.0401	0.0000	1,496.3590
Waste						0.0000	0.0000		0.0000	0.0000	11.5875	0.0000	11.5875	0.6848	0.0000	25.9684
Water						0.0000	0.0000		0.0000	0.0000	3.2457	16.8527	20.0983	0.0119	7.2200e-003	22.5865

Total	2.3660	1.4317	7.5637	0.0246	1.7198	0.0502	1.7700	0.4607	0.0482	0.5089	14.8332	2,054.8177	2,069.6509	0.7568	0.0146	2,090.0623
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.28	3.86	0.32	1.48	0.00	8.47	0.26	0.00	8.78	0.90	65.25	3.49	4.71	67.92	17.30	6.15

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2016	4/7/2016	5	70	
2	Site Preparation	Site Preparation	4/8/2016	6/2/2016	5	40	
3	Grading	Grading	6/3/2016	11/3/2016	5	110	
4	Building Construction	Building Construction	11/4/2016	2/4/2021	5	1110	
5	Paving	Paving	2/5/2021	5/20/2021	5	75	
6	Architectural Coating	Architectural Coating	5/21/2021	9/2/2021	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 626,940; Residential Outdoor: 208,980; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	67.00	19.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1501	1.5980	1.2261	1.4000e-003		0.0802	0.0802		0.0748	0.0748	0.0000	129.8408	129.8408	0.0353	0.0000	130.5823
Total	0.1501	1.5980	1.2261	1.4000e-003		0.0802	0.0802		0.0748	0.0748	0.0000	129.8408	129.8408	0.0353	0.0000	130.5823

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	3.8200e-003	0.0326	5.0000e-005	4.8000e-003	4.0000e-005	4.8400e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	3.9438	3.9438	2.5000e-004	0.0000	3.9490
Total	2.2300e-003	3.8200e-003	0.0326	5.0000e-005	4.8000e-003	4.0000e-005	4.8400e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	3.9438	3.9438	2.5000e-004	0.0000	3.9490

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	0.1501	1.5980	1.2261	1.4000e-003		0.0802	0.0802		0.0748	0.0748	0.0000	129.8406	129.8406	0.0353	0.0000	130.5821
Total	0.1501	1.5980	1.2261	1.4000e-003		0.0802	0.0802		0.0748	0.0748	0.0000	129.8406	129.8406	0.0353	0.0000	130.5821

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	3.8200e-003	0.0326	5.0000e-005	4.8000e-003	4.0000e-005	4.8400e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	3.9438	3.9438	2.5000e-004	0.0000	3.9490
Total	2.2300e-003	3.8200e-003	0.0326	5.0000e-005	4.8000e-003	4.0000e-005	4.8400e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	3.9438	3.9438	2.5000e-004	0.0000	3.9490

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1015	1.0927	0.8221	7.8000e-004		0.0588	0.0588		0.0541	0.0541	0.0000	73.7542	73.7542	0.0223	0.0000	74.2214
Total	0.1015	1.0927	0.8221	7.8000e-004	0.3613	0.0588	0.4201	0.1986	0.0541	0.2527	0.0000	73.7542	73.7542	0.0223	0.0000	74.2214

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5300e-003	2.6200e-003	0.0223	4.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.7043	2.7043	1.7000e-004	0.0000	2.7079
Total	1.5300e-003	2.6200e-003	0.0223	4.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.7043	2.7043	1.7000e-004	0.0000	2.7079

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					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1015	1.0927	0.8221	7.8000e-004		0.0588	0.0588		0.0541	0.0541	0.0000	73.7541	73.7541	0.0223	0.0000	74.2213
Total	0.1015	1.0927	0.8221	7.8000e-004	0.1626	0.0588	0.2214	0.0894	0.0541	0.1435	0.0000	73.7541	73.7541	0.0223	0.0000	74.2213

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5300e-003	2.6200e-003	0.0223	4.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.7043	2.7043	1.7000e-004	0.0000	2.7079
Total	1.5300e-003	2.6200e-003	0.0223	4.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.7043	2.7043	1.7000e-004	0.0000	2.7079

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4770	0.0000	0.4770	0.1978	0.0000	0.1978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3564	4.1148	2.7026	3.3900e-003		0.1971	0.1971		0.1814	0.1814	0.0000	320.0765	320.0765	0.0966	0.0000	322.1040
Total	0.3564	4.1148	2.7026	3.3900e-003	0.4770	0.1971	0.6742	0.1978	0.1814	0.3792	0.0000	320.0765	320.0765	0.0966	0.0000	322.1040

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6700e-003	8.0100e-003	0.0683	1.1000e-004	0.0101	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.2632	8.2632	5.2000e-004	0.0000	8.2741

Total	4.6700e-003	8.0100e-003	0.0683	1.1000e-004	0.0101	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.2632	8.2632	5.2000e-004	0.0000	8.2741
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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					0.2147	0.0000	0.2147	0.0890	0.0000	0.0890	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3564	4.1148	2.7026	3.3900e-003		0.1971	0.1971		0.1814	0.1814	0.0000	320.0761	320.0761	0.0966	0.0000	322.1036
Total	0.3564	4.1148	2.7026	3.3900e-003	0.2147	0.1971	0.4118	0.0890	0.1814	0.2704	0.0000	320.0761	320.0761	0.0966	0.0000	322.1036

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6700e-003	8.0100e-003	0.0683	1.1000e-004	0.0101	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.2632	8.2632	5.2000e-004	0.0000	8.2741
Total	4.6700e-003	8.0100e-003	0.0683	1.1000e-004	0.0101	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.2632	8.2632	5.2000e-004	0.0000	8.2741

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0698	0.5844	0.3794	5.5000e-004		0.0403	0.0403		0.0379	0.0379	0.0000	49.6415	49.6415	0.0123	0.0000	49.9000
Total	0.0698	0.5844	0.3794	5.5000e-004		0.0403	0.0403		0.0379	0.0379	0.0000	49.6415	49.6415	0.0123	0.0000	49.9000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4900e-003	0.0295	0.0616	6.0000e-005	1.5900e-003	3.9000e-004	1.9800e-003	4.5000e-004	3.6000e-004	8.1000e-004	0.0000	5.4202	5.4202	5.0000e-005	0.0000	5.4211
Worker	5.8300e-003	0.0100	0.0853	1.4000e-004	0.0126	1.0000e-004	0.0127	3.3400e-003	9.0000e-005	3.4300e-003	0.0000	10.3178	10.3178	6.5000e-004	0.0000	10.3314
Total	0.0103	0.0395	0.1469	2.0000e-004	0.0142	4.9000e-004	0.0146	3.7900e-003	4.5000e-004	4.2400e-003	0.0000	15.7380	15.7380	7.0000e-004	0.0000	15.7525

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	0.0698	0.5844	0.3794	5.5000e-004		0.0403	0.0403		0.0379	0.0379	0.0000	49.6414	49.6414	0.0123	0.0000	49.9000
Total	0.0698	0.5844	0.3794	5.5000e-004		0.0403	0.0403		0.0379	0.0379	0.0000	49.6414	49.6414	0.0123	0.0000	49.9000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4900e-003	0.0295	0.0616	6.0000e-005	1.5900e-003	3.9000e-004	1.9800e-003	4.5000e-004	3.6000e-004	8.1000e-004	0.0000	5.4202	5.4202	5.0000e-005	0.0000	5.4211
Worker	5.8300e-003	0.0100	0.0853	1.4000e-004	0.0126	1.0000e-004	0.0127	3.3400e-003	9.0000e-005	3.4300e-003	0.0000	10.3178	10.3178	6.5000e-004	0.0000	10.3314
Total	0.0103	0.0395	0.1469	2.0000e-004	0.0142	4.9000e-004	0.0146	3.7900e-003	4.5000e-004	4.2400e-003	0.0000	15.7380	15.7380	7.0000e-004	0.0000	15.7525

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319
Total	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0253	0.1689	0.3646	3.8000e-004	0.0101	2.1000e-003	0.0122	2.8800e-003	1.9300e-003	4.8100e-003	0.0000	33.8166	33.8166	2.7000e-004	0.0000	33.8224
Worker	0.0312	0.0556	0.4663	8.7000e-004	0.0797	5.8000e-004	0.0803	0.0212	5.3000e-004	0.0217	0.0000	62.8861	62.8861	3.6500e-003	0.0000	62.9629
Total	0.0565	0.2245	0.8309	1.2500e-003	0.0898	2.6800e-003	0.0924	0.0241	2.4600e-003	0.0265	0.0000	96.7027	96.7027	3.9200e-003	0.0000	96.7852

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	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315
Total	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0253	0.1689	0.3646	3.8000e-004	0.0101	2.1000e-003	0.0122	2.8800e-003	1.9300e-003	4.8100e-003	0.0000	33.8166	33.8166	2.7000e-004	0.0000	33.8224
Worker	0.0312	0.0556	0.4663	8.7000e-004	0.0797	5.8000e-004	0.0803	0.0212	5.3000e-004	0.0217	0.0000	62.8861	62.8861	3.6500e-003	0.0000	62.9629
Total	0.0565	0.2245	0.8309	1.2500e-003	0.0898	2.6800e-003	0.0924	0.0241	2.4600e-003	0.0265	0.0000	96.7027	96.7027	3.9200e-003	0.0000	96.7852

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9844	308.9844	0.0756	0.0000	310.5723
Total	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9844	308.9844	0.0756	0.0000	310.5723

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0224	0.1550	0.3404	3.8000e-004	0.0101	1.9400e-003	0.0121	2.8900e-003	1.7900e-003	4.6700e-003	0.0000	33.3611	33.3611	2.7000e-004	0.0000	33.3668
Worker	0.0269	0.0495	0.4101	8.7000e-004	0.0800	5.5000e-004	0.0805	0.0213	5.1000e-004	0.0218	0.0000	60.7693	60.7693	3.3200e-003	0.0000	60.8389

Total	0.0493	0.2045	0.7504	1.2500e-003	0.0901	2.4900e-003	0.0926	0.0241	2.3000e-003	0.0264	0.0000	94.1304	94.1304	3.5900e-003	0.0000	94.2057
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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	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9841	308.9841	0.0756	0.0000	310.5720
Total	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9841	308.9841	0.0756	0.0000	310.5720

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0224	0.1550	0.3404	3.8000e-004	0.0101	1.9400e-003	0.0121	2.8900e-003	1.7900e-003	4.6700e-003	0.0000	33.3611	33.3611	2.7000e-004	0.0000	33.3668
Worker	0.0269	0.0495	0.4101	8.7000e-004	0.0800	5.5000e-004	0.0805	0.0213	5.1000e-004	0.0218	0.0000	60.7693	60.7693	3.3200e-003	0.0000	60.8389
Total	0.0493	0.2045	0.7504	1.2500e-003	0.0901	2.4900e-003	0.0926	0.0241	2.3000e-003	0.0264	0.0000	94.1304	94.1304	3.5900e-003	0.0000	94.2057

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.1424	0.3264	3.8000e-004	0.0101	1.8000e-003	0.0119	2.8900e-003	1.6500e-003	4.5400e-003	0.0000	32.8092	32.8092	2.6000e-004	0.0000	32.8148
Worker	0.0238	0.0446	0.3665	8.7000e-004	0.0800	5.3000e-004	0.0805	0.0213	4.9000e-004	0.0217	0.0000	58.5842	58.5842	3.0500e-003	0.0000	58.6482
Total	0.0446	0.1870	0.6929	1.2500e-003	0.0901	2.3300e-003	0.0924	0.0241	2.1400e-003	0.0263	0.0000	91.3934	91.3934	3.3100e-003	0.0000	91.4629

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	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.1424	0.3264	3.8000e-004	0.0101	1.8000e-003	0.0119	2.8900e-003	1.6500e-003	4.5400e-003	0.0000	32.8092	32.8092	2.6000e-004	0.0000	32.8148
Worker	0.0238	0.0446	0.3665	8.7000e-004	0.0800	5.3000e-004	0.0805	0.0213	4.9000e-004	0.0217	0.0000	58.5842	58.5842	3.0500e-003	0.0000	58.6482
Total	0.0446	0.1870	0.6929	1.2500e-003	0.0901	2.3300e-003	0.0924	0.0241	2.1400e-003	0.0263	0.0000	91.3934	91.3934	3.3100e-003	0.0000	91.4629

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0193	0.1215	0.3141	3.8000e-004	0.0102	1.5800e-003	0.0117	2.9000e-003	1.4600e-003	4.3600e-003	0.0000	32.1887	32.1887	2.6000e-004	0.0000	32.1941
Worker	0.0217	0.0407	0.3335	8.7000e-004	0.0803	5.2000e-004	0.0808	0.0213	4.9000e-004	0.0218	0.0000	56.4540	56.4540	2.8500e-003	0.0000	56.5138
Total	0.0409	0.1622	0.6476	1.2500e-003	0.0904	2.1000e-003	0.0926	0.0242	1.9500e-003	0.0262	0.0000	88.6427	88.6427	3.1100e-003	0.0000	88.7079

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	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0193	0.1215	0.3141	3.8000e-004	0.0102	1.5800e-003	0.0117	2.9000e-003	1.4600e-003	4.3600e-003	0.0000	32.1887	32.1887	2.6000e-004	0.0000	32.1941
Worker	0.0217	0.0407	0.3335	8.7000e-004	0.0803	5.2000e-004	0.0808	0.0213	4.9000e-004	0.0218	0.0000	56.4540	56.4540	2.8500e-003	0.0000	56.5138
Total	0.0409	0.1622	0.6476	1.2500e-003	0.0904	2.1000e-003	0.0926	0.0242	1.9500e-003	0.0262	0.0000	88.6427	88.6427	3.1100e-003	0.0000	88.7079

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0237	0.2168	0.2067	3.4000e-004		0.0119	0.0119		0.0112	0.0112	0.0000	28.8347	28.8347	6.9500e-003	0.0000	28.9805
Total	0.0237	0.2168	0.2067	3.4000e-004		0.0119	0.0119		0.0112	0.0112	0.0000	28.8347	28.8347	6.9500e-003	0.0000	28.9805

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6900e-003	9.3500e-003	0.0286	4.0000e-005	9.7000e-004	1.3000e-004	1.1000e-003	2.8000e-004	1.2000e-004	4.0000e-004	0.0000	3.0677	3.0677	2.0000e-005	0.0000	3.0682
Worker	1.9500e-003	3.6200e-003	0.0298	8.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	5.3030	5.3030	2.6000e-004	0.0000	5.3085

Total	3.6400e-003	0.0130	0.0584	1.2000e-004	8.6300e-003	1.8000e-004	8.8100e-003	2.3200e-003	1.7000e-004	2.4800e-003	0.0000	8.3707	8.3707	2.8000e-004	0.0000	8.3766
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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	0.0237	0.2168	0.2067	3.4000e-004		0.0119	0.0119		0.0112	0.0112	0.0000	28.8346	28.8346	6.9500e-003	0.0000	28.9805
Total	0.0237	0.2168	0.2067	3.4000e-004		0.0119	0.0119		0.0112	0.0112	0.0000	28.8346	28.8346	6.9500e-003	0.0000	28.9805

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6900e-003	9.3500e-003	0.0286	4.0000e-005	9.7000e-004	1.3000e-004	1.1000e-003	2.8000e-004	1.2000e-004	4.0000e-004	0.0000	3.0677	3.0677	2.0000e-005	0.0000	3.0682
Worker	1.9500e-003	3.6200e-003	0.0298	8.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	5.3030	5.3030	2.6000e-004	0.0000	5.3085
Total	3.6400e-003	0.0130	0.0584	1.2000e-004	8.6300e-003	1.8000e-004	8.8100e-003	2.3200e-003	1.7000e-004	2.4800e-003	0.0000	8.3707	8.3707	2.8000e-004	0.0000	8.3766

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	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3100e-003	2.4300e-003	0.0200	6.0000e-005	5.1500e-003	3.0000e-005	5.1800e-003	1.3700e-003	3.0000e-005	1.4000e-003	0.0000	3.5617	3.5617	1.7000e-004	0.0000	3.5654
Total	1.3100e-003	2.4300e-003	0.0200	6.0000e-005	5.1500e-003	3.0000e-005	5.1800e-003	1.3700e-003	3.0000e-005	1.4000e-003	0.0000	3.5617	3.5617	1.7000e-004	0.0000	3.5654

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	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3100e-003	2.4300e-003	0.0200	6.0000e-005	5.1500e-003	3.0000e-005	5.1800e-003	1.3700e-003	3.0000e-005	1.4000e-003	0.0000	3.5617	3.5617	1.7000e-004	0.0000	3.5654
Total	1.3100e-003	2.4300e-003	0.0200	6.0000e-005	5.1500e-003	3.0000e-005	5.1800e-003	1.3700e-003	3.0000e-005	1.4000e-003	0.0000	3.5617	3.5617	1.7000e-004	0.0000	3.5654

3.7 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	4.8431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
Total	4.8513	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	2.1100e-003	0.0173	5.0000e-005	4.4600e-003	3.0000e-005	4.4900e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.0868	3.0868	1.5000e-004	0.0000	3.0900
Total	1.1300e-003	2.1100e-003	0.0173	5.0000e-005	4.4600e-003	3.0000e-005	4.4900e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.0868	3.0868	1.5000e-004	0.0000	3.0900

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	4.8431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
Total	4.8513	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	2.1100e-003	0.0173	5.0000e-005	4.4600e-003	3.0000e-005	4.4900e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.0868	3.0868	1.5000e-004	0.0000	3.0900
Total	1.1300e-003	2.1100e-003	0.0173	5.0000e-005	4.4600e-003	3.0000e-005	4.4900e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.0868	3.0868	1.5000e-004	0.0000	3.0900

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	MT/yr					
	Mitigated	0.6080	1.1981	6.1685	0.0231	1.7198	0.0252	1.7451	0.4607	0.0233	0.4840	0.0000	1,495.5162	1,495.5162	0.0401	0.0000
Unmitigated	0.6080	1.1981	6.1685	0.0231	1.7198	0.0252	1.7451	0.4607	0.0233	0.4840	0.0000	1,495.5162	1,495.5162	0.0401	0.0000	1,496.3590

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	59.31	64.44	54.63	163,821	163,821
Single Family Housing	1,598.19	1,683.36	1464.59	4,390,527	4,390,527
Total	1,657.50	1,747.80	1,519.22	4,554,348	4,554,348

4.3 Trip Type Information

Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3
Single Family Housing	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491782	0.035344	0.208299	0.151084	0.049421	0.007284	0.022101	0.017711	0.002208	0.002109	0.008228	0.001403	0.003026

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

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						0.0000	0.0000		0.0000	0.0000	0.0000	287.2126	287.2126	0.0131	2.7200e-003	288.3291
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	291.0287	291.0287	0.0132	2.7500e-003	292.1600
NaturalGas Mitigated	0.0256	0.2186	0.0930	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.1016	253.1016	4.8500e-003	4.6400e-003	254.6420
NaturalGas Unmitigated	0.0323	0.2760	0.1174	1.7600e-003		0.0223	0.0223		0.0223	0.0223	0.0000	319.6112	319.6112	6.1300e-003	5.8600e-003	321.5563

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	97033.2	5.2000e-004	4.4700e-003	1.9000e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1781	5.1781	1.0000e-004	9.0000e-005	5.2096
Single Family Housing	5.89225e+006	0.0318	0.2715	0.1155	1.7300e-003		0.0220	0.0220		0.0220	0.0220	0.0000	314.4331	314.4331	6.0300e-003	5.7600e-003	316.3467
Total		0.0323	0.2760	0.1174	1.7600e-003		0.0223	0.0223		0.0223	0.0223	0.0000	319.6112	319.6112	6.1300e-003	5.8500e-003	321.5563

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	4.66455e+006	0.0252	0.2149	0.0915	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.9181	248.9181	4.7700e-003	4.5600e-003	250.4330
Apartments Low Rise	78395.4	4.2000e-004	3.6100e-003	1.5400e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	4.1835	4.1835	8.0000e-005	8.0000e-005	4.2089
Total		0.0256	0.2186	0.0930	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.1016	253.1016	4.8500e-003	4.6400e-003	254.6420

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	33135.4	7.9414	3.6000e-004	8.0000e-005	7.9723
Single Family Housing	1.18118e+006	283.0873	0.0129	2.6800e-003	284.1878

Total		291.0287	0.0132	2.7600e-003	292.1600
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	32602.3	7.8136	3.5000e-004	7.0000e-005	7.8440
Single Family Housing	1.16579e+006	279.3990	0.0127	2.6400e-003	280.4851
Total		287.2126	0.0130	2.7100e-003	288.3291

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7324	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773
Unmitigated	1.7324	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773

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	0.4843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2091					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0389	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773
Total	1.7324	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773

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	0.4843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2091					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0389	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773
Total	1.7324	0.0150	1.3022	7.0000e-005		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	2.1347	2.1347	2.0300e-003	0.0000	2.1773

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	20.0983	0.0119	7.2200e-003	22.5865
Unmitigated	24.9920	0.0149	9.0200e-003	28.1017

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.586386 / 0.369678	1.2780	7.6000e-004	4.6000e-004	1.4370
Single Family Housing	10.8807 / 6.85959	23.7140	0.0142	8.5600e-003	26.6647
Total		24.9920	0.0149	9.0200e-003	28.1017

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.469109 / 0.369678	1.0278	6.1000e-004	3.7000e-004	1.1550

Single Family Housing	8.70458 / 6.85959	19.0706	0.0113	6.8500e-003	21.4315
Total		20.0983	0.0119	7.2200e-003	22.5865

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.5875	0.6848	0.0000	25.9684
Unmitigated	38.6251	2.2827	0.0000	86.5614

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	4.14	0.8404	0.0497	0.0000	1.8834
Single Family Housing	186.14	37.7847	2.2330	0.0000	84.6780
Total		38.6251	2.2827	0.0000	86.5614

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1.242	0.2521	0.0149	0.0000	0.5650
Single Family Housing	55.842	11.3354	0.6699	0.0000	25.4034
Total		11.5875	0.6848	0.0000	25.9684

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**Gaviota Coast Plan New Development 2035 Emissions
Santa Barbara-South of Santa Ynez Range County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	9.00	Dwelling Unit	0.56	9,000.00	24
Single Family Housing	167.00	Dwelling Unit	54.22	300,600.00	454

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - X

Land Use - New potential development

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - X

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Construction Phase - Architectural Coatings simultaneous with Building Construction

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1,110.00
tblConstructionPhase	PhaseEndDate	5/8/2025	2/4/2021
tblConstructionPhase	PhaseStartDate	2/5/2021	11/4/2016
tblProjectCharacteristics	OperationalYear	2014	2035

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					
2016	13.0237	74.9435	50.3499	0.0638	18.2346	3.5857	21.1746	9.9753	3.2988	12.6801	0.0000	6,584.270 5	6,584.270 5	1.9454	0.0000	6,625.123 1
2017	12.6132	30.3084	26.4379	0.0409	0.8274	1.9759	2.8032	0.2210	1.8659	2.0869	0.0000	3,860.301 6	3,860.301 6	0.7187	0.0000	3,875.394 4
2018	12.0879	26.8244	25.1446	0.0408	0.8273	1.6646	2.4920	0.2210	1.5736	1.7945	0.0000	3,801.172 6	3,801.172 6	0.7012	0.0000	3,815.896 7
2019	11.7013	24.2246	24.2454	0.0408	0.8273	1.4323	2.2597	0.2210	1.3541	1.5751	0.0000	3,744.801 5	3,744.801 5	0.6846	0.0000	3,759.178 1
2020	11.4066	22.0005	23.5304	0.0408	0.8273	1.2406	2.0679	0.2210	1.1729	1.3938	0.0000	3,676.044 1	3,676.044 1	0.6720	0.0000	3,690.155 2
2021	11.1443	19.9031	22.9553	0.0408	0.8274	1.0643	1.8916	0.2210	1.0061	1.2270	0.0000	3,666.988 4	3,666.988 4	0.7038	0.0000	3,681.767 8
Total	71.9770	198.2045	172.6634	0.2678	22.3713	10.9634	32.6890	11.0802	10.2713	20.7574	0.0000	25,333.57 86	25,333.57 86	5.4256	0.0000	25,447.51 53

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	9.7118	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805	0.0000	26.1452	26.1452	0.0249	0.0000	26.6679
Energy	0.1770	1.5122	0.6435	9.6500e-003		0.1223	0.1223		0.1223	0.1223		1,930.4714	1,930.4714	0.0370	0.0354	1,942.2199
Mobile	3.4601	6.5469	33.5911	0.1369	10.2277	0.1468	10.3744	2.7346	0.1355	2.8701		9,754.4366	9,754.4366	0.2575		9,759.8445
Total	13.3488	8.2260	48.7038	0.1473	10.2277	0.3495	10.5772	2.7346	0.3383	3.0729	0.0000	11,711.0532	11,711.0532	0.3194	0.0354	11,728.7323

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	9.7118	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805	0.0000	26.1452	26.1452	0.0249	0.0000	26.6679
Energy	0.1401	1.1975	0.5096	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.7494	1,528.7494	0.0293	0.0280	1,538.0531
Mobile	3.4601	6.5469	33.5911	0.1369	10.2277	0.1468	10.3744	2.7346	0.1355	2.8701		9,754.4366	9,754.4366	0.2575		9,759.8445
Total	13.3120	7.9114	48.5699	0.1453	10.2277	0.3241	10.5518	2.7346	0.3129	3.0474	0.0000	11,309.3312	11,309.3312	0.3117	0.0280	11,324.5655

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.28	3.83	0.27	1.36	0.00	7.28	0.24	0.00	7.52	0.83	0.00	3.43	3.43	2.41	20.80	3.45

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/8/2016	6/2/2016	5	40	
2	Grading	Grading	6/3/2016	11/3/2016	5	110	
3	Building Construction	Building Construction	11/4/2016	2/4/2021	5	1110	
4	Architectural Coating	Architectural Coating	11/4/2016	2/4/2021	5	1110	
5	Paving	Paving	2/5/2021	5/20/2021	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 626,940; Residential Outdoor: 208,980; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	67.00	19.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.1168	1.0913	1.8300e-003	0.1684	1.2800e-003	0.1697	0.0447	1.1600e-003	0.0458		152.3608	152.3608	9.3400e-003		152.5569
Total	0.0743	0.1168	1.0913	1.8300e-003	0.1684	1.2800e-003	0.1697	0.0447	1.1600e-003	0.0458		152.3608	152.3608	9.3400e-003		152.5569

3.2 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.005 3	4,065.005 3	1.2262		4,090.754 4
Total	5.0771	54.6323	41.1053	0.0391	8.1298	2.9387	11.0685	4.4688	2.7036	7.1724	0.0000	4,065.005 3	4,065.005 3	1.2262		4,090.754 4

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.1168	1.0913	1.8300e-003	0.1684	1.2800e-003	0.1697	0.0447	1.1600e-003	0.0458		152.3608	152.3608	9.3400e-003		152.5569
Total	0.0743	0.1168	1.0913	1.8300e-003	0.1684	1.2800e-003	0.1697	0.0447	1.1600e-003	0.0458		152.3608	152.3608	9.3400e-003		152.5569

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	8.6733	3.5842	12.2576	3.5965	3.2975	6.8940		6,414.9807	6,414.9807	1.9350		6,455.6154

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0825	0.1298	1.2125	2.0300e-003	0.1871	1.4200e-003	0.1885	0.0496	1.2900e-003	0.0509		169.2898	169.2898	0.0104		169.5077
Total	0.0825	0.1298	1.2125	2.0300e-003	0.1871	1.4200e-003	0.1885	0.0496	1.2900e-003	0.0509		169.2898	169.2898	0.0104		169.5077

3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	3.9030	3.5842	7.4872	1.6184	3.2975	4.9159	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0825	0.1298	1.2125	2.0300e-003	0.1871	1.4200e-003	0.1885	0.0496	1.2900e-003	0.0509		169.2898	169.2898	0.0104		169.5077
Total	0.0825	0.1298	1.2125	2.0300e-003	0.1871	1.4200e-003	0.1885	0.0496	1.2900e-003	0.0509		169.2898	169.2898	0.0104		169.5077

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1927	1.3979	2.4168	2.9400e-003	0.0790	0.0190	0.0979	0.0225	0.0174	0.0399		292.9036	292.9036	2.4400e-003		292.9549
Worker	0.2764	0.4348	4.0619	6.8200e-003	0.6267	4.7500e-003	0.6315	0.1662	4.3200e-003	0.1706		567.1207	567.1207	0.0348		567.8508
Total	0.4691	1.8327	6.4787	9.7600e-003	0.7057	0.0237	0.7294	0.1887	0.0217	0.2105		860.0243	860.0243	0.0372		860.8057

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1927	1.3979	2.4168	2.9400e-003	0.0790	0.0190	0.0979	0.0225	0.0174	0.0399		292.9036	292.9036	2.4400e-003		292.9549
Worker	0.2764	0.4348	4.0619	6.8200e-003	0.6267	4.7500e-003	0.6315	0.1662	4.3200e-003	0.1706		567.1207	567.1207	0.0348		567.8508
Total	0.4691	1.8327	6.4787	9.7600e-003	0.7057	0.0237	0.7294	0.1887	0.0217	0.2105		860.0243	860.0243	0.0372		860.8057

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1721	1.2629	2.2314	2.9400e-003	0.0790	0.0161	0.0951	0.0225	0.0148	0.0373		288.1776	288.1776	2.2900e-003		288.2257
Worker	0.2346	0.3809	3.5253	6.8100e-003	0.6267	4.4200e-003	0.6312	0.1662	4.0600e-003	0.1703		545.1042	545.1042	0.0310		545.7549
Total	0.4067	1.6438	5.7567	9.7500e-003	0.7057	0.0205	0.7262	0.1887	0.0188	0.2075		833.2817	833.2817	0.0333		833.9806

3.4 Building Construction - 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					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1721	1.2629	2.2314	2.9400e-003	0.0790	0.0161	0.0951	0.0225	0.0148	0.0373		288.1776	288.1776	2.2900e-003		288.2257
Worker	0.2346	0.3809	3.5253	6.8100e-003	0.6267	4.4200e-003	0.6312	0.1662	4.0600e-003	0.1703		545.1042	545.1042	0.0310		545.7549
Total	0.4067	1.6438	5.7567	9.7500e-003	0.7057	0.0205	0.7262	0.1887	0.0188	0.2075		833.2817	833.2817	0.0333		833.9806

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1524	1.1545	2.0485	2.9300e-003	0.0790	0.0148	0.0938	0.0225	0.0136	0.0361		283.2107	283.2107	2.2500e-003		283.2580
Worker	0.2026	0.3378	3.1065	6.8000e-003	0.6267	4.2100e-003	0.6310	0.1662	3.8800e-003	0.1701		524.7561	524.7561	0.0280		525.3444
Total	0.3550	1.4923	5.1550	9.7300e-003	0.7057	0.0190	0.7247	0.1887	0.0175	0.2062		807.9668	807.9668	0.0303		808.6024

3.4 Building Construction - 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					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1524	1.1545	2.0485	2.9300e-003	0.0790	0.0148	0.0938	0.0225	0.0136	0.0361		283.2107	283.2107	2.2500e-003		283.2580
Worker	0.2026	0.3378	3.1065	6.8000e-003	0.6267	4.2100e-003	0.6310	0.1662	3.8800e-003	0.1701		524.7561	524.7561	0.0280		525.3444
Total	0.3550	1.4923	5.1550	9.7300e-003	0.7057	0.0190	0.7247	0.1887	0.0175	0.2062		807.9668	807.9668	0.0303		808.6024

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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	1.0613	1.9539	2.9300e-003	0.0790	0.0137	0.0927	0.0225	0.0126	0.0351		278.5279	278.5279	2.2000e-003		278.5740
Worker	0.1799	0.3039	2.7888	6.7900e-003	0.6267	4.0800e-003	0.6308	0.1662	3.7800e-003	0.1700		505.9034	505.9034	0.0257		506.4437
Total	0.3220	1.3652	4.7427	9.7200e-003	0.7057	0.0177	0.7235	0.1887	0.0163	0.2051		784.4313	784.4313	0.0279		785.0177

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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	1.0613	1.9539	2.9300e-003	0.0790	0.0137	0.0927	0.0225	0.0126	0.0351		278.5279	278.5279	2.2000e-003		278.5740
Worker	0.1799	0.3039	2.7888	6.7900e-003	0.6267	4.0800e-003	0.6308	0.1662	3.7800e-003	0.1700		505.9034	505.9034	0.0257		506.4437
Total	0.3220	1.3652	4.7427	9.7200e-003	0.7057	0.0177	0.7235	0.1887	0.0163	0.2051		784.4313	784.4313	0.0279		785.0177

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1318	0.9022	1.8636	2.9200e-003	0.0790	0.0120	0.0910	0.0225	0.0110	0.0335		272.2226	272.2226	2.1300e-003		272.2673
Worker	0.1634	0.2768	2.5350	6.7900e-003	0.6267	4.0000e-003	0.6307	0.1662	3.7100e-003	0.1699		485.6608	485.6608	0.0240		486.1639
Total	0.2952	1.1790	4.3986	9.7100e-003	0.7057	0.0160	0.7217	0.1887	0.0148	0.2035		757.8834	757.8834	0.0261		758.4312

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1318	0.9022	1.8636	2.9200e-003	0.0790	0.0120	0.0910	0.0225	0.0110	0.0335		272.2226	272.2226	2.1300e-003		272.2673
Worker	0.1634	0.2768	2.5350	6.7900e-003	0.6267	4.0000e-003	0.6307	0.1662	3.7100e-003	0.1699		485.6608	485.6608	0.0240		486.1639
Total	0.2952	1.1790	4.3986	9.7100e-003	0.7057	0.0160	0.7217	0.1887	0.0148	0.2035		757.8834	757.8834	0.0261		758.4312

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1221	0.7277	1.7664	2.9200e-003	0.0790	0.0106	0.0896	0.0225	9.7100e-003	0.0322		271.8900	271.8900	2.1400e-003		271.9349
Worker	0.1540	0.2583	2.3732	6.7900e-003	0.6267	3.9700e-003	0.6307	0.1662	3.6800e-003	0.1699		478.1024	478.1024	0.0228		478.5819
Total	0.2761	0.9859	4.1396	9.7100e-003	0.7057	0.0145	0.7203	0.1887	0.0134	0.2021		749.9925	749.9925	0.0250		750.5168

3.4 Building Construction - 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1221	0.7277	1.7664	2.9200e-003	0.0790	0.0106	0.0896	0.0225	9.7100e-003	0.0322		271.8900	271.8900	2.1400e-003		271.9349
Worker	0.1540	0.2583	2.3732	6.7900e-003	0.6267	3.9700e-003	0.6307	0.1662	3.6800e-003	0.1699		478.1024	478.1024	0.0228		478.5819
Total	0.2761	0.9859	4.1396	9.7100e-003	0.7057	0.0145	0.7203	0.1887	0.0134	0.2021		749.9925	749.9925	0.0250		750.5168

3.5 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	9.0948	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0844	0.7881	1.3200e-003	0.1216	9.2000e-004	0.1225	0.0323	8.4000e-004	0.0331		110.0383	110.0383	6.7500e-003		110.1800
Total	0.0536	0.0844	0.7881	1.3200e-003	0.1216	9.2000e-004	0.1225	0.0323	8.4000e-004	0.0331		110.0383	110.0383	6.7500e-003		110.1800

3.5 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449
Total	9.0948	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0536	0.0844	0.7881	1.3200e-003	0.1216	9.2000e-004	0.1225	0.0323	8.4000e-004	0.0331		110.0383	110.0383	6.7500e-003			110.1800
Total	0.0536	0.0844	0.7881	1.3200e-003	0.1216	9.2000e-004	0.1225	0.0323	8.4000e-004	0.0331		110.0383	110.0383	6.7500e-003			110.1800

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	9.0586	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0455	0.0739	0.6840	1.3200e-003	0.1216	8.6000e-004	0.1225	0.0323	7.9000e-004	0.0330		105.7665	105.7665	6.0100e-003		105.8927
Total	0.0455	0.0739	0.6840	1.3200e-003	0.1216	8.6000e-004	0.1225	0.0323	7.9000e-004	0.0330		105.7665	105.7665	6.0100e-003		105.8927

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721
Total	9.0586	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0455	0.0739	0.6840	1.3200e-003	0.1216	8.6000e-004	0.1225	0.0323	7.9000e-004	0.0330		105.7665	105.7665	6.0100e-003		105.8927
Total	0.0455	0.0739	0.6840	1.3200e-003	0.1216	8.6000e-004	0.1225	0.0323	7.9000e-004	0.0330		105.7665	105.7665	6.0100e-003		105.8927

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	9.0250	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0656	0.6027	1.3200e-003	0.1216	8.2000e-004	0.1224	0.0323	7.5000e-004	0.0330		101.8183	101.8183	5.4400e-003		101.9325
Total	0.0393	0.0656	0.6027	1.3200e-003	0.1216	8.2000e-004	0.1224	0.0323	7.5000e-004	0.0330		101.8183	101.8183	5.4400e-003		101.9325

3.5 Architectural Coating - 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						
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	9.0250	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0393	0.0656	0.6027	1.3200e-003	0.1216	8.2000e-004	0.1224	0.0323	7.5000e-004	0.0330		101.8183	101.8183	5.4400e-003			101.9325
Total	0.0393	0.0656	0.6027	1.3200e-003	0.1216	8.2000e-004	0.1224	0.0323	7.5000e-004	0.0330		101.8183	101.8183	5.4400e-003			101.9325

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	8.9928	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0349	0.0590	0.5411	1.3200e-003	0.1216	7.9000e-004	0.1224	0.0323	7.3000e-004	0.0330		98.1604	98.1604	4.9900e-003		98.2652
Total	0.0349	0.0590	0.5411	1.3200e-003	0.1216	7.9000e-004	0.1224	0.0323	7.3000e-004	0.0330		98.1604	98.1604	4.9900e-003		98.2652

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	8.9928	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0349	0.0590	0.5411	1.3200e-003	0.1216	7.9000e-004	0.1224	0.0323	7.3000e-004	0.0330		98.1604	98.1604	4.9900e-003		98.2652
Total	0.0349	0.0590	0.5411	1.3200e-003	0.1216	7.9000e-004	0.1224	0.0323	7.3000e-004	0.0330		98.1604	98.1604	4.9900e-003		98.2652

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	8.9685	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0537	0.4919	1.3200e-003	0.1216	7.8000e-004	0.1224	0.0323	7.2000e-004	0.0330		94.2327	94.2327	4.6500e-003		94.3303
Total	0.0317	0.0537	0.4919	1.3200e-003	0.1216	7.8000e-004	0.1224	0.0323	7.2000e-004	0.0330		94.2327	94.2327	4.6500e-003		94.3303

3.5 Architectural Coating - 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					
Archit. Coating	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	8.9685	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0537	0.4919	1.3200e-003	0.1216	7.8000e-004	0.1224	0.0323	7.2000e-004	0.0330		94.2327	94.2327	4.6500e-003		94.3303
Total	0.0317	0.0537	0.4919	1.3200e-003	0.1216	7.8000e-004	0.1224	0.0323	7.2000e-004	0.0330		94.2327	94.2327	4.6500e-003		94.3303

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	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	8.9452	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0299	0.0501	0.4605	1.3200e-003	0.1216	7.7000e-004	0.1224	0.0323	7.1000e-004	0.0330		92.7661	92.7661	4.4300e-003		92.8592
Total	0.0299	0.0501	0.4605	1.3200e-003	0.1216	7.7000e-004	0.1224	0.0323	7.1000e-004	0.0330		92.7661	92.7661	4.4300e-003		92.8592

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	8.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	8.9452	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0299	0.0501	0.4605	1.3200e-003	0.1216	7.7000e-004	0.1224	0.0323	7.1000e-004	0.0330		92.7661	92.7661	4.4300e-003		92.8592
Total	0.0299	0.0501	0.4605	1.3200e-003	0.1216	7.7000e-004	0.1224	0.0323	7.1000e-004	0.0330		92.7661	92.7661	4.4300e-003		92.8592

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	1.2308	12.6607	14.3528	0.0223		0.6652	0.6652		0.6120	0.6120		2,160.2530	2,160.2530	0.6987		2,174.9250
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2308	12.6607	14.3528	0.0223		0.6652	0.6652		0.6120	0.6120		2,160.2530	2,160.2530	0.6987		2,174.9250

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0345	0.0578	0.5313	1.5200e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		107.0379	107.0379	5.1100e-003		107.1452
Total	0.0345	0.0578	0.5313	1.5200e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		107.0379	107.0379	5.1100e-003		107.1452

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	1.2308	12.6607	14.3528	0.0223		0.6652	0.6652		0.6120	0.6120	0.0000	2,160.2530	2,160.2530	0.6987		2,174.9250
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2308	12.6607	14.3528	0.0223		0.6652	0.6652		0.6120	0.6120	0.0000	2,160.2530	2,160.2530	0.6987		2,174.9250

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0345	0.0578	0.5313	1.5200e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		107.0379	107.0379	5.1100e-003		107.1452
Total	0.0345	0.0578	0.5313	1.5200e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		107.0379	107.0379	5.1100e-003		107.1452

4.0 Operational Detail - Mobile

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	3.4601	6.5469	33.5911	0.1369	10.2277	0.1468	10.3744	2.7346	0.1355	2.8701		9,754.4366	9,754.4366	0.2575		9,759.8445
Unmitigated	3.4601	6.5469	33.5911	0.1369	10.2277	0.1468	10.3744	2.7346	0.1355	2.8701		9,754.4366	9,754.4366	0.2575		9,759.8445

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	59.31	64.44	54.63	163,821	163,821
Single Family Housing	1,598.19	1,683.36	1464.59	4,390,527	4,390,527
Total	1,657.50	1,747.80	1,519.22	4,554,348	4,554,348

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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	Primary	Diverted	Pass-by
Apartments Low Rise	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3
Single Family Housing	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491782	0.035344	0.208299	0.151084	0.049421	0.007284	0.022101	0.017711	0.002208	0.002109	0.008228	0.001403	0.003026

5.0 Energy Detail

Historical Energy Use: N

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	0.1401	1.1975	0.5096	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.7494	1,528.7494	0.0293	0.0280	1,538.0531
NaturalGas Unmitigated	0.1770	1.5122	0.6435	9.6500e-003		0.1223	0.1223		0.1223	0.1223		1,930.4714	1,930.4714	0.0370	0.0354	1,942.2199

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/yr	lb/day										lb/day					
Apartments Low Rise	265.844	2.8700e-003	0.0245	0.0104	1.6000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003		31.2758	31.2758	6.0000e-004	5.7000e-004	31.4662
Single Family Housing	16143.2	0.1741	1.4877	0.6331	9.5000e-003		0.1203	0.1203		0.1203	0.1203		1,899.1956	1,899.1956	0.0364	0.0348	1,910.7538
Total		0.1770	1.5122	0.6435	9.6600e-003		0.1223	0.1223		0.1223	0.1223		1,930.4714	1,930.4714	0.0370	0.0354	1,942.2199

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/yr	lb/day										lb/day					
Apartments Low Rise	0.214782	2.3200e-003	0.0198	8.4200e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003		25.2685	25.2685	4.8000e-004	4.6000e-004	25.4223
Single Family Housing	12.7796	0.1378	1.1777	0.5012	7.5200e-003		0.0952	0.0952		0.0952	0.0952		1,503.4810	1,503.4810	0.0288	0.0276	1,512.6309
Total		0.1401	1.1975	0.5096	7.6500e-003		0.0968	0.0968		0.0968	0.0968		1,528.7494	1,528.7494	0.0293	0.0280	1,538.0531

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.7118	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805	0.0000	26.1452	26.1452	0.0249	0.0000	26.6679
Unmitigated	9.7118	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805	0.0000	26.1452	26.1452	0.0249	0.0000	26.6679

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.6538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4326	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805		26.1452	26.1452	0.0249		26.6679
Total	9.7118	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805	0.0000	26.1452	26.1452	0.0249	0.0000	26.6679

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.6538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4326	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805		26.1452	26.1452	0.0249		26.6679
Total	9.7118	0.1669	14.4692	7.7000e-004		0.0805	0.0805		0.0805	0.0805	0.0000	26.1452	26.1452	0.0249	0.0000	26.6679

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation
