APPENDIX A
Air Quality/GHG/Energy Analysis

First and Mountain View_Unmitigated Detailed Report

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8.5.2.1. Hearths

8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	First and Mountain View_Unmitigated
Construction Start Date	6/1/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	18.2000
Location	4320 W 1st St, Santa Ana, CA 92703, USA
County	Orange
City	Santa Ana
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5840
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.39

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	61.0000	Dwelling Unit	2.10700	103,759	25,000.0	—	182.000	—

Parking Lot	18.8470	1000sqft	0.43267	0.00000	700.000	—	—	—
Other Asphalt Surfaces	14.1080	1000sqft	0.32388	0.00000	11.0000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.5139	12.0961	24.0161	29.0393	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,131.11	6,131.11	0.25056	0.18218	4.11948	6,195.78
Mit.	12.5139	12.0961	24.0161	29.0393	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,131.11	6,131.11	0.25056	0.18218	4.11948	6,195.78
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.36669	2.79747	24.0724	28.6537	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,097.50	6,097.50	0.25156	0.18218	0.10674	6,158.18
Mit.	3.36669	2.79747	24.0724	28.6537	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,097.50	6,097.50	0.25156	0.18218	0.10674	6,158.18
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.54308	2.41970	8.01297	9.59359	0.01676	0.31116	0.77727	1.08843	0.28646	0.29064	0.57710	—	1,981.21	1,981.21	0.08122	0.05370	0.53527	1,999.78
Mit.	2.54308	2.41970	8.01297	9.59359	0.01676	0.31116	0.77727	1.08843	0.28646	0.29064	0.57710	—	1,981.21	1,981.21	0.08122	0.05370	0.53527	1,999.78
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.46411	0.44159	1.46237	1.75083	0.00306	0.05679	0.14185	0.19864	0.05228	0.05304	0.10532	—	328.012	328.012	0.01345	0.00889	0.08862	331.086
Mit.	0.46411	0.44159	1.46237	1.75083	0.00306	0.05679	0.14185	0.19864	0.05228	0.05304	0.10532	—	328.012	328.012	0.01345	0.00889	0.08862	331.086
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.36889	2.79830	24.0161	29.0393	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,131.11	6,131.11	0.25056	0.18218	4.11948	6,195.78
2027	12.5139	12.0961	16.6709	24.4761	0.03812	0.57248	0.94075	1.51322	0.52680	0.22285	0.74964	—	4,645.77	4,645.77	0.16431	0.08852	3.22850	4,679.49
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.36669	2.79747	24.0724	28.6537	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,097.50	6,097.50	0.25156	0.18218	0.10674	6,158.18
2027	1.51636	1.25695	10.0393	13.6728	0.02458	0.32320	0.62987	0.95307	0.29746	0.14998	0.44744	—	2,936.87	2,936.87	0.10612	0.06607	0.05880	2,959.27
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	1.11189	0.92525	8.01297	9.59359	0.01676	0.31116	0.77727	1.08843	0.28646	0.29064	0.57710	—	1,981.21	1,981.21	0.08122	0.05370	0.53527	1,999.78
2027	2.54308	2.41970	4.88371	6.90928	0.01144	0.16335	0.28340	0.44675	0.15032	0.06723	0.21756	—	1,379.57	1,379.57	0.04960	0.02824	0.43340	1,389.66
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.20292	0.16886	1.46237	1.75083	0.00306	0.05679	0.14185	0.19864	0.05228	0.05304	0.10532	—	328.012	328.012	0.01345	0.00889	0.08862	331.086
2027	0.46411	0.44159	0.89128	1.26094	0.00209	0.02981	0.05172	0.08153	0.02743	0.01227	0.03970	—	228.404	228.404	0.00821	0.00468	0.07175	230.074

2.2.2. Onsite Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.11047	2.60349	22.9646	25.7931	0.04578	0.93932	1.84238	2.78171	0.86418	0.89057	1.75475	—	4,655.99	4,655.99	0.18887	0.03777	0.00000	4,671.97
2027	12.2726	11.8986	16.2677	21.0288	0.03665	0.57101	0.00000	0.57101	0.52533	0.00000	0.52533	—	3,578.25	3,578.25	0.14515	0.02903	0.00000	3,590.53
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.11047	2.60349	22.9646	25.7931	0.04578	0.93932	1.84238	2.78171	0.86418	0.89057	1.75475	—	4,655.99	4,655.99	0.18887	0.03777	0.00000	4,671.97
2027	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	0.00000	0.32173	0.29600	0.00000	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	0.00000	2,208.44
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.03246	0.86415	7.68619	8.66637	0.01527	0.30876	0.50027	0.80903	0.28406	0.22320	0.50726	—	1,551.53	1,551.53	0.06294	0.01259	0.00000	1,556.86
2027	2.46990	2.36045	4.73657	5.96907	0.01091	0.16281	0.00000	0.16281	0.14979	0.00000	0.14979	—	1,054.47	1,054.47	0.04277	0.00855	0.00000	1,058.09
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.18842	0.15771	1.40273	1.58161	0.00279	0.05635	0.09130	0.14765	0.05184	0.04073	0.09258	—	256.874	256.874	0.01042	0.00208	0.00000	257.756
2027	0.45076	0.43078	0.86442	1.08935	0.00199	0.02971	0.00000	0.02971	0.02734	0.00000	0.02734	—	174.580	174.580	0.00708	0.00142	0.00000	175.179

2.2.3. Offsite Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.25843	0.19481	1.05150	3.24619	0.00531	0.00878	0.91072	0.91950	0.00878	0.22272	0.23150	—	1,475.11	1,475.11	0.06169	0.14440	4.11948	1,523.81
2027	0.24126	0.19749	0.40317	3.44734	0.00147	0.00147	0.94075	0.94221	0.00147	0.22285	0.22431	—	1,067.52	1,067.52	0.01916	0.05949	3.22850	1,088.95
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.25622	0.19398	1.10773	2.86055	0.00531	0.00878	0.91072	0.91950	0.00878	0.22272	0.23150	—	1,441.50	1,441.50	0.06269	0.14440	0.10674	1,486.21
2027	0.16194	0.12848	0.34322	1.96949	0.00147	0.00147	0.62987	0.63133	0.00147	0.14998	0.15144	—	735.984	735.984	0.01684	0.04822	0.05880	750.833
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07943	0.06110	0.32677	0.92722	0.00149	0.00240	0.27700	0.27940	0.00240	0.06744	0.06984	—	429.676	429.676	0.01829	0.04112	0.53527	442.921
2027	0.07318	0.05925	0.14713	0.94021	0.00054	0.00054	0.28340	0.28394	0.00054	0.06723	0.06777	—	325.101	325.101	0.00683	0.01968	0.43340	331.571
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01450	0.01115	0.05964	0.16922	0.00027	0.00044	0.05055	0.05099	0.00044	0.01231	0.01275	—	71.1377	71.1377	0.00303	0.00681	0.08862	73.3306
2027	0.01336	0.01081	0.02685	0.17159	0.00010	0.00010	0.05172	0.05182	0.00010	0.01227	0.01237	—	53.8242	53.8242	0.00113	0.00326	0.07175	54.8953

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.36889	2.79830	24.0161	29.0393	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,131.11	6,131.11	0.25056	0.18218	4.11948	6,195.78
2027	12.5139	12.0961	16.6709	24.4761	0.03812	0.57248	0.94075	1.51322	0.52680	0.22285	0.74964	—	4,645.77	4,645.77	0.16431	0.08852	3.22850	4,679.49
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.36669	2.79747	24.0724	28.6537	0.05109	0.94811	2.75310	3.70120	0.87296	1.11329	1.98625	—	6,097.50	6,097.50	0.25156	0.18218	0.10674	6,158.18
2027	1.51636	1.25695	10.0393	13.6728	0.02458	0.32320	0.62987	0.95307	0.29746	0.14998	0.44744	—	2,936.87	2,936.87	0.10612	0.06607	0.05880	2,959.27

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.11189	0.92525	8.01297	9.59359	0.01676	0.31116	0.77727	1.08843	0.28646	0.29064	0.57710	—	1,981.21	1,981.21	0.08122	0.05370	0.53527	1,999.78
2027	2.54308	2.41970	4.88371	6.90928	0.01144	0.16335	0.28340	0.44675	0.15032	0.06723	0.21756	—	1,379.57	1,379.57	0.04960	0.02824	0.43340	1,389.66
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.20292	0.16886	1.46237	1.75083	0.00306	0.05679	0.14185	0.19864	0.05228	0.05304	0.10532	—	328.012	328.012	0.01345	0.00889	0.08862	331.086
2027	0.46411	0.44159	0.89128	1.26094	0.00209	0.02981	0.05172	0.08153	0.02743	0.01227	0.03970	—	228.404	228.404	0.00821	0.00468	0.07175	230.074

2.2.5. Onsite Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.11047	2.60349	22.9646	25.7931	0.04578	0.93932	1.84238	2.78171	0.86418	0.89057	1.75475	—	4,655.99	4,655.99	0.18887	0.03777	0.00000	4,671.97
2027	12.2726	11.8986	16.2677	21.0288	0.03665	0.57101	0.00000	0.57101	0.52533	0.00000	0.52533	—	3,578.25	3,578.25	0.14515	0.02903	0.00000	3,590.53
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.11047	2.60349	22.9646	25.7931	0.04578	0.93932	1.84238	2.78171	0.86418	0.89057	1.75475	—	4,655.99	4,655.99	0.18887	0.03777	0.00000	4,671.97
2027	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	0.00000	0.32173	0.29600	0.00000	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	0.00000	2,208.44
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.03246	0.86415	7.68619	8.66637	0.01527	0.30876	0.50027	0.80903	0.28406	0.22320	0.50726	—	1,551.53	1,551.53	0.06294	0.01259	0.00000	1,556.86
2027	2.46990	2.36045	4.73657	5.96907	0.01091	0.16281	0.00000	0.16281	0.14979	0.00000	0.14979	—	1,054.47	1,054.47	0.04277	0.00855	0.00000	1,058.09
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.18842	0.15771	1.40273	1.58161	0.00279	0.05635	0.09130	0.14765	0.05184	0.04073	0.09258	—	256.874	256.874	0.01042	0.00208	0.00000	257.756
2027	0.45076	0.43078	0.86442	1.08935	0.00199	0.02971	0.00000	0.02971	0.02734	0.00000	0.02734	—	174.580	174.580	0.00708	0.00142	0.00000	175.179

2.2.6. Offsite Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.25843	0.19481	1.05150	3.24619	0.00531	0.00878	0.91072	0.91950	0.00878	0.22272	0.23150	—	1,475.11	1,475.11	0.06169	0.14440	4.11948	1,523.81
2027	0.24126	0.19749	0.40317	3.44734	0.00147	0.00147	0.94075	0.94221	0.00147	0.22285	0.22431	—	1,067.52	1,067.52	0.01916	0.05949	3.22850	1,088.95
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.25622	0.19398	1.10773	2.86055	0.00531	0.00878	0.91072	0.91950	0.00878	0.22272	0.23150	—	1,441.50	1,441.50	0.06269	0.14440	0.10674	1,486.21
2027	0.16194	0.12848	0.34322	1.96949	0.00147	0.00147	0.62987	0.63133	0.00147	0.14998	0.15144	—	735.984	735.984	0.01684	0.04822	0.05880	750.833
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07943	0.06110	0.32677	0.92722	0.00149	0.00240	0.27700	0.27940	0.00240	0.06744	0.06984	—	429.676	429.676	0.01829	0.04112	0.53527	442.921
2027	0.07318	0.05925	0.14713	0.94021	0.00054	0.00054	0.28340	0.28394	0.00054	0.06723	0.06777	—	325.101	325.101	0.00683	0.01968	0.43340	331.571
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01450	0.01115	0.05964	0.16922	0.00027	0.00044	0.05055	0.05099	0.00044	0.01231	0.01275	—	71.1377	71.1377	0.00303	0.00681	0.08862	73.3306
2027	0.01336	0.01081	0.02685	0.17159	0.00010	0.00010	0.05172	0.05182	0.00010	0.01227	0.01237	—	53.8242	53.8242	0.00113	0.00326	0.07175	54.8953

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.91607	3.80676	0.73325	11.5119	0.02056	0.01387	1.95771	1.97158	0.01263	0.49691	0.50955	28.7260	2,391.39	2,420.12	3.01025	0.09719	7.22954	2,531.57
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.58724	3.49318	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	28.7260	2,302.88	2,331.61	3.01459	0.10097	0.91131	2,437.97

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.79863	3.69320	0.78918	10.1144	0.01994	0.01335	1.93487	1.94822	0.01224	0.49120	0.50345	28.7260	2,330.61	2,359.33	3.01405	0.10119	3.54391	2,468.38
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69325	0.67401	0.14403	1.84588	0.00364	0.00244	0.35311	0.35555	0.00223	0.08964	0.09188	4.75592	385.859	390.615	0.49901	0.01675	0.58673	408.669

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.19188	1.09952	0.70019	8.04871	0.02041	0.01222	1.95771	1.96994	0.01139	0.49691	0.50830	—	2,083.97	2,083.97	0.09901	0.08298	6.48642	2,117.66
Area	2.72419	2.70724	0.03306	3.46314	0.00015	0.00164	—	0.00164	0.00125	—	0.00125	0.00000	9.25292	9.25292	0.00039	0.00008	—	9.28547
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	281.350	281.350	0.02682	0.00325	—	282.989
Water	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Waste	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	3.91607	3.80676	0.73325	11.5119	0.02056	0.01387	1.95771	1.97158	0.01263	0.49691	0.50955	28.7260	2,391.39	2,420.12	3.01025	0.09719	7.22954	2,531.57
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.18376	1.08971	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	—	2,004.71	2,004.71	0.10373	0.08684	0.16818	2,033.35
Area	2.40347	2.40347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	281.350	281.350	0.02682	0.00325	—	282.989
Water	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Waste	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	3.58724	3.49318	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	28.7260	2,302.88	2,331.61	3.01459	0.10097	0.91131	2,437.97

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.17548	1.08167	0.76654	7.74241	0.01984	0.01223	1.93487	1.94709	0.01139	0.49120	0.50259	—	2,026.10	2,026.10	0.10293	0.08701	2.80078	2,057.40
Area	2.62314	2.61153	0.02264	2.37201	0.00010	0.00113	—	0.00113	0.00085	—	0.00085	0.00000	6.33762	6.33762	0.00026	0.00005	—	6.35991
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	281.350	281.350	0.02682	0.00325	—	282.989
Water	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Waste	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	3.79863	3.69320	0.78918	10.1144	0.01994	0.01335	1.93487	1.94822	0.01224	0.49120	0.50345	28.7260	2,330.61	2,359.33	3.01405	0.10119	3.54391	2,468.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.21453	0.19740	0.13989	1.41299	0.00362	0.00223	0.35311	0.35534	0.00208	0.08964	0.09172	—	335.444	335.444	0.01704	0.01440	0.46370	340.626
Area	0.47872	0.47660	0.00413	0.43289	0.00002	0.00021	—	0.00021	0.00016	—	0.00016	0.00000	1.04927	1.04927	0.00004	0.00001	—	1.05296
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	46.5807	46.5807	0.00444	0.00054	—	46.8521
Water	—	—	—	—	—	—	—	—	—	—	—	0.72622	2.78463	3.51084	0.07473	0.00180	—	5.91594
Waste	—	—	—	—	—	—	—	—	—	—	—	4.02970	0.00000	4.02970	0.40275	0.00000	—	14.0986
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12303	0.12303
Total	0.69325	0.67401	0.14403	1.84588	0.00364	0.00244	0.35311	0.35555	0.00223	0.08964	0.09188	4.75592	385.859	390.615	0.49901	0.01675	0.58673	408.669

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.19188	1.09952	0.70019	8.04871	0.02041	0.01222	1.95771	1.96994	0.01139	0.49691	0.50830	—	2,083.97	2,083.97	0.09901	0.08298	6.48642	2,117.66
Area	2.72419	2.70724	0.03306	3.46314	0.00015	0.00164	—	0.00164	0.00125	—	0.00125	0.00000	9.25292	9.25292	0.00039	0.00008	—	9.28547
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	281.350	281.350	0.02682	0.00325	—	282.989
Water	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Waste	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	3.91607	3.80676	0.73325	11.5119	0.02056	0.01387	1.95771	1.97158	0.01263	0.49691	0.50955	28.7260	2,391.39	2,420.12	3.01025	0.09719	7.22954	2,531.57
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.18376	1.08971	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	—	2,004.71	2,004.71	0.10373	0.08684	0.16818	2,033.35
Area	2.40347	2.40347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	281.350	281.350	0.02682	0.00325	—	282.989
Water	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Waste	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	3.58724	3.49318	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	28.7260	2,302.88	2,331.61	3.01459	0.10097	0.91131	2,437.97
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.17548	1.08167	0.76654	7.74241	0.01984	0.01223	1.93487	1.94709	0.01139	0.49120	0.50259	—	2,026.10	2,026.10	0.10293	0.08701	2.80078	2,057.40
Area	2.62314	2.61153	0.02264	2.37201	0.00010	0.00113	—	0.00113	0.00085	—	0.00085	0.00000	6.33762	6.33762	0.00026	0.00005	—	6.35991
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	281.350	281.350	0.02682	0.00325	—	282.989
Water	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Waste	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	3.79863	3.69320	0.78918	10.1144	0.01994	0.01335	1.93487	1.94822	0.01224	0.49120	0.50345	28.7260	2,330.61	2,359.33	3.01405	0.10119	3.54391	2,468.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.21453	0.19740	0.13989	1.41299	0.00362	0.00223	0.35311	0.35534	0.00208	0.08964	0.09172	—	335.444	335.444	0.01704	0.01440	0.46370	340.626
Area	0.47872	0.47660	0.00413	0.43289	0.00002	0.00021	—	0.00021	0.00016	—	0.00016	0.00000	1.04927	1.04927	0.00004	0.00001	—	1.05296
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	46.5807	46.5807	0.00444	0.00054	—	46.8521
Water	—	—	—	—	—	—	—	—	—	—	—	0.72622	2.78463	3.51084	0.07473	0.00180	—	5.91594
Waste	—	—	—	—	—	—	—	—	—	—	—	4.02970	0.00000	4.02970	0.40275	0.00000	—	14.0986
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12303	0.12303
Total	0.69325	0.67401	0.14403	1.84588	0.00364	0.00244	0.35311	0.35555	0.00223	0.08964	0.09188	4.75592	385.859	390.615	0.49901	0.01675	0.58673	408.669

3. Construction Emissions Details

3.1. Demolition (2026)

3.1.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.46521	0.46521	—	0.07045	0.07045	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20003	0.16773	1.56005	1.76197	0.00288	0.06128	—	0.06128	0.05637	—	0.05637	—	300.640	300.640	0.01220	0.00244	—	301.672
Demolition	—	—	—	—	—	—	0.05608	0.05608	—	0.00849	0.00849	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.03651	0.03061	0.28471	0.32156	0.00053	0.01118	—	0.01118	0.01029	—	0.01029	—	49.7744	49.7744	0.00202	0.00040	—	49.9452
Demolition	—	—	—	—	—	—	0.01023	0.01023	—	0.00155	0.00155	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04327	0.04216	0.03803	0.65877	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	162.770	162.770	0.00193	0.00592	0.56574	165.149
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02212	0.00586	0.24379	0.13523	0.00102	0.00167	0.03434	0.03601	0.00167	0.00963	0.01130	—	140.420	140.420	0.01506	0.02231	0.26316	147.707
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00518	0.00505	0.00527	0.07121	0.00000	0.00000	0.01947	0.01947	0.00000	0.00456	0.00456	—	18.9295	18.9295	0.00027	0.00071	0.02944	19.1784
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00262	0.00066	0.03046	0.01644	0.00012	0.00020	0.00410	0.00430	0.00020	0.00115	0.00135	—	16.9377	16.9377	0.00182	0.00269	0.01368	17.7981
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00095	0.00092	0.00096	0.01300	0.00000	0.00000	0.00355	0.00355	0.00000	0.00083	0.00083	—	3.13399	3.13399	0.00004	0.00012	0.00487	3.17520
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00048	0.00012	0.00556	0.00300	0.00002	0.00004	0.00075	0.00079	0.00004	0.00021	0.00025	—	2.80423	2.80423	0.00030	0.00045	0.00227	2.94668

3.1.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.46521	0.46521	—	0.07045	0.07045	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20003	0.16773	1.56005	1.76197	0.00288	0.06128	—	0.06128	0.05637	—	0.05637	—	300.640	300.640	0.01220	0.00244	—	301.672
Demolition	—	—	—	—	—	—	0.05608	0.05608	—	0.00849	0.00849	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03651	0.03061	0.28471	0.32156	0.00053	0.01118	—	0.01118	0.01029	—	0.01029	—	49.7744	49.7744	0.00202	0.00040	—	49.9452
Demolition	—	—	—	—	—	—	0.01023	0.01023	—	0.00155	0.00155	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04327	0.04216	0.03803	0.65877	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	162.770	162.770	0.00193	0.00592	0.56574	165.149
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02212	0.00586	0.24379	0.13523	0.00102	0.00167	0.03434	0.03601	0.00167	0.00963	0.01130	—	140.420	140.420	0.01506	0.02231	0.26316	147.707
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00518	0.00505	0.00527	0.07121	0.00000	0.00000	0.01947	0.01947	0.00000	0.00456	0.00456	—	18.9295	18.9295	0.00027	0.00071	0.02944	19.1784
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00262	0.00066	0.03046	0.01644	0.00012	0.00020	0.00410	0.00430	0.00020	0.00115	0.00135	—	16.9377	16.9377	0.00182	0.00269	0.01368	17.7981
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00095	0.00092	0.00096	0.01300	0.00000	0.00000	0.00355	0.00355	0.00000	0.00083	0.00083	—	3.13399	3.13399	0.00004	0.00012	0.00487	3.17520
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00048	0.00012	0.00556	0.00300	0.00002	0.00004	0.00075	0.00079	0.00004	0.00021	0.00025	—	2.80423	2.80423	0.00030	0.00045	0.00227	2.94668

3.2. Grading (2026)

3.2.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	1.84238	1.84238	—	0.89057	0.89057	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	1.84238	1.84238	—	0.89057	0.89057	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40883	0.34353	3.09970	3.38346	0.00546	0.13958	—	0.13958	0.12841	—	0.12841	—	591.902	591.902	0.02401	0.00480	—	593.933
Dust From Material Movement	—	—	—	—	—	—	0.44419	0.44419	—	0.21471	0.21471	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07461	0.06269	0.56569	0.61748	0.00100	0.02547	—	0.02547	0.02344	—	0.02344	—	97.9962	97.9962	0.00398	0.00080	—	98.3325

Dust From Material Movement	—	—	—	—	—	—	0.08106	0.08106	—	0.03919	0.03919	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03461	0.03373	0.03042	0.52702	0.00000	0.00000	0.13071	0.13071	0.00000	0.03064	0.03064	—	130.216	130.216	0.00154	0.00474	0.45259	132.120
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05578	0.00860	0.67923	0.30029	0.00384	0.00732	0.15014	0.15746	0.00732	0.04211	0.04942	—	568.464	568.464	0.04316	0.08998	1.15070	597.508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03439	0.03373	0.03494	0.45459	0.00000	0.00000	0.13071	0.13071	0.00000	0.03064	0.03064	—	123.927	123.927	0.00176	0.00474	0.01172	125.395
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05505	0.00805	0.70264	0.30286	0.00384	0.00732	0.15014	0.15746	0.00732	0.04211	0.04942	—	568.666	568.666	0.04298	0.08998	0.02981	596.583
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00829	0.00808	0.00842	0.11393	0.00000	0.00000	0.03115	0.03115	0.00000	0.00729	0.00729	—	30.2872	30.2872	0.00043	0.00114	0.04711	30.6855
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01336	0.00198	0.17134	0.07266	0.00093	0.00176	0.03587	0.03763	0.00176	0.01007	0.01183	—	137.075	137.075	0.01041	0.02169	0.11967	143.919
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00151	0.00147	0.00154	0.02079	0.00000	0.00000	0.00568	0.00568	0.00000	0.00133	0.00133	—	5.01439	5.01439	0.00007	0.00019	0.00780	5.08033
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00244	0.00036	0.03127	0.01326	0.00017	0.00032	0.00655	0.00687	0.00032	0.00184	0.00216	—	22.6943	22.6943	0.00172	0.00359	0.01981	23.8275

3.2.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	1.84238	1.84238	—	0.89057	0.89057	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	1.84238	1.84238	—	0.89057	0.89057	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40883	0.34353	3.09970	3.38346	0.00546	0.13958	—	0.13958	0.12841	—	0.12841	—	591.902	591.902	0.02401	0.00480	—	593.933

Dust From Material Movement	—	—	—	—	—	—	0.44419	0.44419	—	0.21471	0.21471	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07461	0.06269	0.56569	0.61748	0.00100	0.02547	—	0.02547	0.02344	—	0.02344	—	97.9962	97.9962	0.00398	0.00080	—	98.3325
Dust From Material Movement	—	—	—	—	—	—	0.08106	0.08106	—	0.03919	0.03919	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03461	0.03373	0.03042	0.52702	0.00000	0.00000	0.13071	0.13071	0.00000	0.03064	0.03064	—	130.216	130.216	0.00154	0.00474	0.45259	132.120
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05578	0.00860	0.67923	0.30029	0.00384	0.00732	0.15014	0.15746	0.00732	0.04211	0.04942	—	568.464	568.464	0.04316	0.08998	1.15070	597.508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03439	0.03373	0.03494	0.45459	0.00000	0.00000	0.13071	0.13071	0.00000	0.03064	0.03064	—	123.927	123.927	0.00176	0.00474	0.01172	125.395
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05505	0.00805	0.70264	0.30286	0.00384	0.00732	0.15014	0.15746	0.00732	0.04211	0.04942	—	568.666	568.666	0.04298	0.08998	0.02981	596.583

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00829	0.00808	0.00842	0.11393	0.00000	0.00000	0.03115	0.03115	0.00000	0.00729	0.00729	—	30.2872	30.2872	0.00043	0.00114	0.04711	30.6855
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01336	0.00198	0.17134	0.07266	0.00093	0.00176	0.03587	0.03763	0.00176	0.01007	0.01183	—	137.075	137.075	0.01041	0.02169	0.11967	143.919
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00151	0.00147	0.00154	0.02079	0.00000	0.00000	0.00568	0.00568	0.00000	0.00133	0.00133	—	5.01439	5.01439	0.00007	0.00019	0.00780	5.08033
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00244	0.00036	0.03127	0.01326	0.00017	0.00032	0.00655	0.00687	0.00032	0.00184	0.00216	—	22.6943	22.6943	0.00172	0.00359	0.01981	23.8275

3.3. Building Construction (2026)

3.3.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41474	1.17861	10.1079	11.7595	0.02312	0.36038	—	0.36038	0.33155	—	0.33155	—	2,200.95	2,200.95	0.08928	0.01786	—	2,208.50
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41474	1.17861	10.1079	11.7595	0.02312	0.36038	—	0.36038	0.33155	—	0.33155	—	2,200.95	2,200.95	0.08928	0.01786	—	2,208.50
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42359	0.35289	3.02645	3.52094	0.00692	0.10790	—	0.10790	0.09927	—	0.09927	—	658.992	658.992	0.02673	0.00535	—	661.253
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07731	0.06440	0.55233	0.64257	0.00126	0.01969	—	0.01969	0.01812	—	0.01812	—	109.104	109.104	0.00443	0.00089	—	109.478
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15202	0.14815	0.13362	2.31465	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	571.908	571.908	0.00678	0.02082	1.98777	580.269
Vendor	0.01602	0.00434	0.20822	0.10423	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	204.524	204.524	0.01021	0.02887	0.52842	213.910
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15105	0.14815	0.15347	1.99657	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	544.286	544.286	0.00775	0.02082	0.05149	550.734
Vendor	0.01573	0.00405	0.21668	0.10653	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	204.624	204.624	0.01021	0.02887	0.01371	213.496
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04523	0.04407	0.04595	0.62143	0.00000	0.00000	0.16988	0.16988	0.00000	0.03979	0.03979	—	165.197	165.197	0.00232	0.00623	0.25693	167.369
Vendor	0.00475	0.00126	0.06532	0.03155	0.00044	0.00044	0.01654	0.01698	0.00044	0.00457	0.00501	—	61.2498	61.2498	0.00306	0.00864	0.06843	63.9703
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00825	0.00804	0.00839	0.11341	0.00000	0.00000	0.03100	0.03100	0.00000	0.00726	0.00726	—	27.3502	27.3502	0.00038	0.00103	0.04254	27.7099
Vendor	0.00087	0.00023	0.01192	0.00576	0.00008	0.00008	0.00302	0.00310	0.00008	0.00083	0.00091	—	10.1406	10.1406	0.00051	0.00143	0.01133	10.5910
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41474	1.17861	10.1079	11.7595	0.02312	0.36038	—	0.36038	0.33155	—	0.33155	—	2,200.95	2,200.95	0.08928	0.01786	—	2,208.50
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41474	1.17861	10.1079	11.7595	0.02312	0.36038	—	0.36038	0.33155	—	0.33155	—	2,200.95	2,200.95	0.08928	0.01786	—	2,208.50
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.42359	0.35289	3.02645	3.52094	0.00692	0.10790	—	0.10790	0.09927	—	0.09927	—	658.992	658.992	0.02673	0.00535	—	661.253
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07731	0.06440	0.55233	0.64257	0.00126	0.01969	—	0.01969	0.01812	—	0.01812	—	109.104	109.104	0.00443	0.00089	—	109.478
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15202	0.14815	0.13362	2.31465	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	571.908	571.908	0.00678	0.02082	1.98777	580.269
Vendor	0.01602	0.00434	0.20822	0.10423	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	204.524	204.524	0.01021	0.02887	0.52842	213.910
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15105	0.14815	0.15347	1.99657	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	544.286	544.286	0.00775	0.02082	0.05149	550.734
Vendor	0.01573	0.00405	0.21668	0.10653	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	204.624	204.624	0.01021	0.02887	0.01371	213.496
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04523	0.04407	0.04595	0.62143	0.00000	0.00000	0.16988	0.16988	0.00000	0.03979	0.03979	—	165.197	165.197	0.00232	0.00623	0.25693	167.369
Vendor	0.00475	0.00126	0.06532	0.03155	0.00044	0.00044	0.01654	0.01698	0.00044	0.00457	0.00501	—	61.2498	61.2498	0.00306	0.00864	0.06843	63.9703

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00825	0.00804	0.00839	0.11341	0.00000	0.00000	0.03100	0.03100	0.00000	0.00726	0.00726	—	27.3502	27.3502	0.00038	0.00103	0.04254	27.7099
Vendor	0.00087	0.00023	0.01192	0.00576	0.00008	0.00008	0.00302	0.00310	0.00008	0.00083	0.00091	—	10.1406	10.1406	0.00051	0.00143	0.01133	10.5910
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.49565	0.41297	3.54828	4.28281	0.00846	0.11774	—	0.11774	0.10832	—	0.10832	—	805.413	805.413	0.03267	0.00653	—	808.177
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09046	0.07537	0.64756	0.78161	0.00154	0.02149	—	0.02149	0.01977	—	0.01977	—	133.345	133.345	0.00541	0.00108	—	133.803
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14621	0.12539	0.13168	2.17183	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	562.280	562.280	0.00581	0.02082	1.78285	570.412
Vendor	0.01587	0.00420	0.20017	0.09940	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	200.744	200.744	0.01021	0.02740	0.48019	209.645
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14621	0.12442	0.13459	1.86779	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	535.134	535.134	0.00678	0.02082	0.04636	541.554
Vendor	0.01573	0.00405	0.20863	0.10170	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	200.849	200.849	0.01006	0.02740	0.01243	209.279
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05315	0.04553	0.05545	0.71275	0.00000	0.00000	0.20763	0.20763	0.00000	0.04863	0.04863	—	198.506	198.506	0.00248	0.00762	0.28216	201.121
Vendor	0.00581	0.00154	0.07684	0.03674	0.00054	0.00054	0.02022	0.02075	0.00054	0.00559	0.00613	—	73.4784	73.4784	0.00368	0.01003	0.07574	76.6344

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00970	0.00831	0.01012	0.13008	0.00000	0.00000	0.03789	0.03789	0.00000	0.00887	0.00887	—	32.8650	32.8650	0.00041	0.00126	0.04671	33.2978
Vendor	0.00106	0.00028	0.01402	0.00671	0.00010	0.00010	0.00369	0.00379	0.00010	0.00102	0.00112	—	12.1652	12.1652	0.00061	0.00166	0.01254	12.6877
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49565	0.41297	3.54828	4.28281	0.00846	0.11774	—	0.11774	0.10832	—	0.10832	—	805.413	805.413	0.03267	0.00653	—	808.177

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09046	0.07537	0.64756	0.78161	0.00154	0.02149	—	0.02149	0.01977	—	0.01977	—	133.345	133.345	0.00541	0.00108	—	133.803
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14621	0.12539	0.13168	2.17183	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	562.280	562.280	0.00581	0.02082	1.78285	570.412
Vendor	0.01587	0.00420	0.20017	0.09940	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	200.744	200.744	0.01021	0.02740	0.48019	209.645
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14621	0.12442	0.13459	1.86779	0.00000	0.00000	0.57408	0.57408	0.00000	0.13456	0.13456	—	535.134	535.134	0.00678	0.02082	0.04636	541.554
Vendor	0.01573	0.00405	0.20863	0.10170	0.00147	0.00147	0.05579	0.05726	0.00147	0.01541	0.01688	—	200.849	200.849	0.01006	0.02740	0.01243	209.279
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05315	0.04553	0.05545	0.71275	0.00000	0.00000	0.20763	0.20763	0.00000	0.04863	0.04863	—	198.506	198.506	0.00248	0.00762	0.28216	201.121
Vendor	0.00581	0.00154	0.07684	0.03674	0.00054	0.00054	0.02022	0.02075	0.00054	0.00559	0.00613	—	73.4784	73.4784	0.00368	0.01003	0.07574	76.6344
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00970	0.00831	0.01012	0.13008	0.00000	0.00000	0.03789	0.03789	0.00000	0.00887	0.00887	—	32.8650	32.8650	0.00041	0.00126	0.04671	33.2978

Vendor	0.00106	0.00028	0.01402	0.00671	0.00010	0.00010	0.00369	0.00379	0.00010	0.00102	0.00112	—	12.1652	12.1652	0.00061	0.00166	0.01254	12.6877
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Paving (2027)

3.5.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77224	0.64798	5.74049	8.20011	0.01181	0.23023	—	0.23023	0.21181	—	0.21181	—	1,243.85	1,243.85	0.05046	0.01009	—	1,248.12
Paving	0.03003	0.03003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13964	0.11717	1.03801	1.48276	0.00214	0.04163	—	0.04163	0.03830	—	0.03830	—	224.916	224.916	0.00912	0.00182	—	225.688
Paving	0.00543	0.00543	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02548	0.02138	0.18944	0.27060	0.00039	0.00760	—	0.00760	0.00699	—	0.00699	—	37.2374	37.2374	0.00151	0.00030	—	37.3652
Paving	0.00099	0.00099	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04993	0.04282	0.04497	0.74175	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	192.036	192.036	0.00198	0.00711	0.60890	194.813
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00897	0.00768	0.00936	0.12028	0.00000	0.00000	0.03504	0.03504	0.00000	0.00821	0.00821	—	33.4991	33.4991	0.00042	0.00129	0.04762	33.9403
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00164	0.00140	0.00171	0.02195	0.00000	0.00000	0.00639	0.00639	0.00000	0.00150	0.00150	—	5.54616	5.54616	0.00007	0.00021	0.00788	5.61921
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77224	0.64798	5.74049	8.20011	0.01181	0.23023	—	0.23023	0.21181	—	0.21181	—	1,243.85	1,243.85	0.05046	0.01009	—	1,248.12
Paving	0.03003	0.03003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13964	0.11717	1.03801	1.48276	0.00214	0.04163	—	0.04163	0.03830	—	0.03830	—	224.916	224.916	0.00912	0.00182	—	225.688
Paving	0.00543	0.00543	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02548	0.02138	0.18944	0.27060	0.00039	0.00760	—	0.00760	0.00699	—	0.00699	—	37.2374	37.2374	0.00151	0.00030	—	37.3652
Paving	0.00099	0.00099	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04993	0.04282	0.04497	0.74175	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	192.036	192.036	0.00198	0.00711	0.60890	194.813
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00897	0.00768	0.00936	0.12028	0.00000	0.00000	0.03504	0.03504	0.00000	0.00821	0.00821	—	33.4991	33.4991	0.00042	0.00129	0.04762	33.9403
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00164	0.00140	0.00171	0.02195	0.00000	0.00000	0.00639	0.00639	0.00000	0.00150	0.00150	—	5.54616	5.54616	0.00007	0.00021	0.00788	5.61921
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Architectural Coating (2027)

3.6.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971

Architect Coatings	9.97879	9.97879	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02480	0.02050	0.15029	0.20350	0.00031	0.00344	—	0.00344	0.00317	—	0.00317	—	24.1420	24.1420	0.00098	0.00020	—	24.2249
Architectural Coatings	1.80438	1.80438	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00453	0.00374	0.02743	0.03714	0.00006	0.00063	—	0.00063	0.00058	—	0.00058	—	3.99699	3.99699	0.00016	0.00003	—	4.01071
Architectural Coatings	0.32930	0.32930	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02924	0.02508	0.02634	0.43437	0.00000	0.00000	0.11482	0.11482	0.00000	0.02691	0.02691	—	112.456	112.456	0.00116	0.00416	0.35657	114.082
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00525	0.00450	0.00548	0.07044	0.00000	0.00000	0.02052	0.02052	0.00000	0.00481	0.00481	—	19.6171	19.6171	0.00025	0.00075	0.02788	19.8755
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00096	0.00082	0.00100	0.01285	0.00000	0.00000	0.00374	0.00374	0.00000	0.00088	0.00088	—	3.24783	3.24783	0.00004	0.00012	0.00462	3.29061
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	9.97879	9.97879	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02480	0.02050	0.15029	0.20350	0.00031	0.00344	—	0.00344	0.00317	—	0.00317	—	24.1420	24.1420	0.00098	0.00020	—	24.2249
Architectural Coatings	1.80438	1.80438	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00453	0.00374	0.02743	0.03714	0.00006	0.00063	—	0.00063	0.00058	—	0.00058	—	3.99699	3.99699	0.00016	0.00003	—	4.01071
Architectural Coatings	0.32930	0.32930	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02924	0.02508	0.02634	0.43437	0.00000	0.00000	0.11482	0.11482	0.00000	0.02691	0.02691	—	112.456	112.456	0.00116	0.00416	0.35657	114.082

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00525	0.00450	0.00548	0.07044	0.00000	0.00000	0.02052	0.02052	0.00000	0.00481	0.00481	—	19.6171	19.6171	0.00025	0.00075	0.02788	19.8755
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00096	0.00082	0.00100	0.01285	0.00000	0.00000	0.00374	0.00374	0.00000	0.00088	0.00088	—	3.24783	3.24783	0.00004	0.00012	0.00462	3.29061
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.19188	1.09952	0.70019	8.04871	0.02041	0.01222	1.95771	1.96994	0.01139	0.49691	0.50830	—	2,083.97	2,083.97	0.09901	0.08298	6.48642	2,117.66
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.19188	1.09952	0.70019	8.04871	0.02041	0.01222	1.95771	1.96994	0.01139	0.49691	0.50830	—	2,083.97	2,083.97	0.09901	0.08298	6.48642	2,117.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.18376	1.08971	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	—	2,004.71	2,004.71	0.10373	0.08684	0.16818	2,033.35
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.18376	1.08971	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	—	2,004.71	2,004.71	0.10373	0.08684	0.16818	2,033.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.21453	0.19740	0.13989	1.41299	0.00362	0.00223	0.35311	0.35534	0.00208	0.08964	0.09172	—	335.444	335.444	0.01704	0.01440	0.46370	340.626
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.21453	0.19740	0.13989	1.41299	0.00362	0.00223	0.35311	0.35534	0.00208	0.08964	0.09172	—	335.444	335.444	0.01704	0.01440	0.46370	340.626

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	1.19188	1.09952	0.70019	8.04871	0.02041	0.01222	1.95771	1.96994	0.01139	0.49691	0.50830	—	2,083.97	2,083.97	0.09901	0.08298	6.48642	2,117.66
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.19188	1.09952	0.70019	8.04871	0.02041	0.01222	1.95771	1.96994	0.01139	0.49691	0.50830	—	2,083.97	2,083.97	0.09901	0.08298	6.48642	2,117.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.18376	1.08971	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	—	2,004.71	2,004.71	0.10373	0.08684	0.16818	2,033.35
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.18376	1.08971	0.76033	7.58521	0.01963	0.01223	1.95771	1.96995	0.01139	0.49691	0.50831	—	2,004.71	2,004.71	0.10373	0.08684	0.16818	2,033.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.21453	0.19740	0.13989	1.41299	0.00362	0.00223	0.35311	0.35534	0.00208	0.08964	0.09172	—	335.444	335.444	0.01704	0.01440	0.46370	340.626
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.21453	0.19740	0.13989	1.41299	0.00362	0.00223	0.35311	0.35534	0.00208	0.08964	0.09172	—	335.444	335.444	0.01704	0.01440	0.46370	340.626

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	265.691	265.691	0.02533	0.00307	—	267.239
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	15.6594	15.6594	0.00149	0.00018	—	15.7507
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	281.350	281.350	0.02682	0.00325	—	282.989
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	265.691	265.691	0.02533	0.00307	—	267.239
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	15.6594	15.6594	0.00149	0.00018	—	15.7507
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	281.350	281.350	0.02682	0.00325	—	282.989
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	43.9881	43.9881	0.00419	0.00051	—	44.2444
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.59260	2.59260	0.00025	0.00003	—	2.60770
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	46.5807	46.5807	0.00444	0.00054	—	46.8521

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	265.691	265.691	0.02533	0.00307	—	267.239
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	15.6594	15.6594	0.00149	0.00018	—	15.7507
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	281.350	281.350	0.02682	0.00325	—	282.989
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	265.691	265.691	0.02533	0.00307	—	267.239
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	15.6594	15.6594	0.00149	0.00018	—	15.7507
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	281.350	281.350	0.02682	0.00325	—	282.989
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	43.9881	43.9881	0.00419	0.00051	—	44.2444
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.59260	2.59260	0.00025	0.00003	—	2.60770

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	46.5807	46.5807	0.00444	0.00054	—	46.8521

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	2.22303	2.22303	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18044	0.18044	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.32072	0.30377	0.03306	3.46314	0.00015	0.00164	—	0.00164	0.00125	—	0.00125	—	9.25292	9.25292	0.00039	0.00008	—	9.28547
Total	2.72419	2.70724	0.03306	3.46314	0.00015	0.00164	—	0.00164	0.00125	—	0.00125	0.00000	9.25292	9.25292	0.00039	0.00008	—	9.28547

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	2.22303	2.22303	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18044	0.18044	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.40347	2.40347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	0.40570	0.40570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03293	0.03293	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.04009	0.03797	0.00413	0.43289	0.00002	0.00021	—	0.00021	0.00016	—	0.00016	—	1.04927	1.04927	0.00004	0.00001	—	1.05296
Total	0.47872	0.47660	0.00413	0.43289	0.00002	0.00021	—	0.00021	0.00016	—	0.00016	0.00000	1.04927	1.04927	0.00004	0.00001	—	1.05296

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	2.22303	2.22303	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18044	0.18044	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.32072	0.30377	0.03306	3.46314	0.00015	0.00164	—	0.00164	0.00125	—	0.00125	—	9.25292	9.25292	0.00039	0.00008	—	9.28547
Total	2.72419	2.70724	0.03306	3.46314	0.00015	0.00164	—	0.00164	0.00125	—	0.00125	0.00000	9.25292	9.25292	0.00039	0.00008	—	9.28547
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	2.22303	2.22303	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18044	0.18044	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.40347	2.40347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	0.40570	0.40570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03293	0.03293	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.04009	0.03797	0.00413	0.43289	0.00002	0.00021	—	0.00021	0.00016	—	0.00016	—	1.04927	1.04927	0.00004	0.00001	—	1.05296
Total	0.47872	0.47660	0.00413	0.43289	0.00002	0.00021	—	0.00021	0.00016	—	0.00016	0.00000	1.04927	1.04927	0.00004	0.00001	—	1.05296

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.7729	21.1593	0.45137	0.01088	—	35.6859
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.04566	0.04566	< 0.000005	< 0.000005	—	0.04593
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00072	0.00072	< 0.000005	< 0.000005	—	0.00072
Total	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.7729	21.1593	0.45137	0.01088	—	35.6859
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.04566	0.04566	< 0.000005	< 0.000005	—	0.04593
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00072	0.00072	< 0.000005	< 0.000005	—	0.00072
Total	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.72622	2.77695	3.50316	0.07473	0.00180	—	5.90821
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00756	0.00756	< 0.000005	< 0.000005	—	0.00760
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00012	0.00012	< 0.000005	< 0.000005	—	0.00012
Total	—	—	—	—	—	—	—	—	—	—	—	0.72622	2.78463	3.51084	0.07473	0.00180	—	5.91594

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.7729	21.1593	0.45137	0.01088	—	35.6859
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.04566	0.04566	< 0.000005	< 0.000005	—	0.04593
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00072	0.00072	< 0.000005	< 0.000005	—	0.00072
Total	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.7729	21.1593	0.45137	0.01088	—	35.6859
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.04566	0.04566	< 0.000005	< 0.000005	—	0.04593

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00072	0.00072	< 0.000005	< 0.000005	—	0.00072
Total	—	—	—	—	—	—	—	—	—	—	—	4.38639	16.8193	21.2057	0.45138	0.01088	—	35.7326
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.72622	2.77695	3.50316	0.07473	0.00180	—	5.90821
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00756	0.00756	< 0.000005	< 0.000005	—	0.00760
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00012	0.00012	< 0.000005	< 0.000005	—	0.00012
Total	—	—	—	—	—	—	—	—	—	—	—	0.72622	2.78463	3.51084	0.07473	0.00180	—	5.91594

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.02970	0.00000	4.02970	0.40275	0.00000	—	14.0986
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4.02970	0.00000	4.02970	0.40275	0.00000	—	14.0986

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	24.3396	0.00000	24.3396	2.43266	0.00000	—	85.1561
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.02970	0.00000	4.02970	0.40275	0.00000	—	14.0986
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4.02970	0.00000	4.02970	0.40275	0.00000	—	14.0986

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12303	0.12303
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12303	0.12303

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74312	0.74312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12303	0.12303
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12303	0.12303

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2026	7/30/2026	5.00000	44.0000	—
Grading	Grading	8/1/2026	12/2/2026	5.00000	88.0000	—
Building Construction	Building Construction	8/1/2026	7/6/2027	5.00000	242.000	—
Paving	Paving	5/1/2027	8/2/2027	5.00000	66.0000	—
Architectural Coating	Architectural Coating	6/1/2027	8/31/2027	5.00000	66.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000

Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000

Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	8.43182	4.50000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	8.29545	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	43.9200	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	6.52090	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	8.78400	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	19.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	8.43182	4.50000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	8.29545	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	43.9200	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	6.52090	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	8.78400	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	19.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	210,112	70,037.3	0.00000	0.00000	1,977.30

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	1,481.00	0.00000
Grading	5,833.00	—	88.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.75654

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Condo/Townhouse	—	0%
Paving	Parking Lot	0.43267	100%
Paving	Other Asphalt Surfaces	0.32388	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	531.983	0.03300	0.00400
2027	0.00000	531.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	379.005	379.005	379.005	138,337	2,766.64	2,766.64	2,766.64	1,009,823
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	379.005	379.005	379.005	138,337	2,766.64	2,766.64	2,766.64	1,009,823
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Condo/Townhouse	Wood Fireplaces	0	0
Condo/Townhouse	Gas Fireplaces	0	0
Condo/Townhouse	Propane Fireplaces	0	0
Condo/Townhouse	Electric Fireplaces	0	0

Condo/Townhouse	No Fireplaces	61	61
Condo/Townhouse	Conventional Wood Stoves	0	0
Condo/Townhouse	Catalytic Wood Stoves	0	0
Condo/Townhouse	Non-Catalytic Wood Stoves	1	1
Condo/Townhouse	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
210,112	70,037.3	0.00000	0.00000	1,977.30

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	250.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	250.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	280,122	346.196	0.0330	0.0040	0.00000
Parking Lot	16,510.0	346.196	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	346.196	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	280,122	346.196	0.0330	0.0040	0.00000
Parking Lot	16,510.0	346.196	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	2,289,065	396,011
Parking Lot	0.00000	9,072.26
Other Asphalt Surfaces	0.00000	142.564

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	2,289,065	396,011
Parking Lot	0.00000	9,072.26
Other Asphalt Surfaces	0.00000	142.564

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	45.1621	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	45.1621	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.23000	annual days of extreme heat
Extreme Precipitation	3.60000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.4505

AQ-PM	70.7778
AQ-DPM	39.9129
Drinking Water	46.4843
Lead Risk Housing	45.6459
Pesticides	0.00000
Toxic Releases	87.6844
Traffic	71.7875
Effect Indicators	—
CleanUp Sites	2.07167
Groundwater	0.00000
Haz Waste Facilities/Generators	21.9590
Impaired Water Bodies	0.00000
Solid Waste	9.66781
Sensitive Population	—
Asthma	37.4501
Cardio-vascular	27.8166
Low Birth Weights	65.8327
Socioeconomic Factor Indicators	—
Education	91.4705
Housing	86.2864
Linguistic	93.4903
Poverty	93.6683
Unemployment	15.8381

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	5.556268446
Employed	51.71307584
Median HI	20.99319902
Education	—
Bachelor's or higher	12.48556397
High school enrollment	100
Preschool enrollment	5.389452072
Transportation	—
Auto Access	29.74464263
Active commuting	87.66842038
Social	—
2-parent households	58.95034005
Voting	6.711151033
Neighborhood	—
Alcohol availability	31.1176697
Park access	81.35506224
Retail density	46.97805723
Supermarket access	85.21750289
Tree canopy	10.67624791
Housing	—
Homeownership	33.7482356
Housing habitability	19.87681252
Low-inc homeowner severe housing cost burden	64.33979212
Low-inc renter severe housing cost burden	20.06929296
Uncrowded housing	5.145643526
Health Outcomes	—
Insured adults	2.463749519
Arthritis	38.0

Asthma ER Admissions	54.6
High Blood Pressure	23.8
Cancer (excluding skin)	68.9
Asthma	32.2
Coronary Heart Disease	23.5
Chronic Obstructive Pulmonary Disease	17.9
Diagnosed Diabetes	10.7
Life Expectancy at Birth	99.7
Cognitively Disabled	76.7
Physically Disabled	76.0
Heart Attack ER Admissions	55.0
Mental Health Not Good	21.2
Chronic Kidney Disease	14.8
Obesity	50.1
Pedestrian Injuries	19.6
Physical Health Not Good	14.8
Stroke	15.1
Health Risk Behaviors	—
Binge Drinking	87.0
Current Smoker	20.8
No Leisure Time for Physical Activity	5.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	40.5
Elderly	45.9
English Speaking	7.9
Foreign-born	96.4

Outdoor Workers	37.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	9.5
Traffic Density	66.6
Traffic Access	87.4
Other Indices	—
Hardship	90.7
Other Decision Support	—
2016 Voting	29.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	54.0000
Healthy Places Index Score for Project Location (b)	18.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	The project would construct 61 condo/townhomes. The on-site roadway improvements are included as parking lot and cul-de-sac improvement is modeled as other asphalt surfaces.
Construction: Construction Phases	As per the construction questionnaire.
Construction: Trips and VMT	Based on the Applicant.
Operations: Vehicle Data	Per Trip Generation
Operations: Hearths	Per SCAQMD Rule 445 No wood burning devices. The project would not use natural gas during operations.
Operations: Energy Use	No natural gas consumption

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	3.81250	2.10700
Building Area	sq. ft	64,660.0	103,759
Landscape Area	sq. ft	—	25,000.0

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	6/29/2026	7/30/2026
Demolition	Demolition	Work Days per Phase	20.0000	44.0000
Grading	Grading	Start Date	7/5/2026	8/1/2026
Grading	Grading	End Date	7/13/2026	12/2/2026
Grading	Grading	Work Days per Phase	6.00000	88.0000
Building Construction	Building Construction	Start Date	7/14/2026	8/1/2026
Building Construction	Building Construction	End Date	5/18/2027	7/6/2027

Building Construction	Building Construction	Work Days per Phase	220.000	242.000
Paving	Paving	Start Date	5/19/2027	5/1/2027
Paving	Paving	End Date	6/2/2027	8/2/2027
Paving	Paving	Work Days per Phase	10.00000	66.0000
Architectural Coating	Architectural Coating	Start Date	6/3/2027	6/1/2027
Architectural Coating	Architectural Coating	End Date	6/17/2027	8/31/2027
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	66.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Hauling	Miles per Trip	20.0000	4.50000
Architectural Coating	Hauling	Miles per Trip	20.0000	19.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Weekday Trip Rate	size/day	7.32000	6.21320
Condo/Townhouse	Saturday Trip Rate	size/day	8.14000	6.21320
Condo/Townhouse	Sunday Trip Rate	size/day	6.28000	6.21320

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Wood Fireplaces	—	3	0

Condo/Townhouse	Gas Fireplaces	—	52	0
Condo/Townhouse	No Fireplaces	—	6	61
Condo/Townhouse	Wood Mass	lb/year	1,019	0
Condo/Townhouse	Catalytic Wood Stoves	—	3	0
Condo/Townhouse	Non-Catalytic Wood Stoves	—	3	1
Condo/Townhouse	Wood Mass	lb/year	1,000	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Natural Gas	kBTU/yr	1,465,852	0.00000
Condo/Townhouse	Natural Gas (Subject to Title 24)	kBTU/yr	1,305,771	0.00000
Condo/Townhouse	Natural Gas (Not Subject to Title 24)	kBTU/yr	160,081	0.00000

First Moutain View Project

Energy Calculations
Electricty and Natural Gas Usage

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms/yr)
Condo/Townhouse	280,122	280	0	0
Parking Lot	16,510	17	0	0
Total	***296,632***	***297***	***0***	***0***

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Energy Type	Project Annual Energy Consumption	Orange County Annual Energy Consumption (2024)[1,2]	Percentage Increase Countywide
Electricity (MWh)	297	19,225,145	0.0015%
Natural Gas (therms)	0	561,736,496	0.0000%

Notes:

1. County annual electricity consumption data source: California Energy Commission, *Electricity Consumption, https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-0*
2. County annual natural gas consumption data source: California Energy Commission, *Natural Gas Consumption* , https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-1

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

First and Moutain View Project

Energy Calculations
Construction Off-Road (Equipment)
Fuel Consumption

Phase Name	Offroad Equipment Type	Fuel Type	Engine Tier	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallon/hour)[1]	Duration (total hours/day)	# days	Total Fuel Consumption (gallon)
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.00	0.73	0.96	8	44	339.19
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367.00	0.40	5.87	8	44	2,066.94
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.00	0.37	1.24	24	44	1,312.82
Grading	Graders	Diesel	Average	1.00	8.00	148.00	0.41	2.43	8	88	1,708.75
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367.00	0.40	5.87	8	88	4,133.89
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.00	0.37	1.24	14	88	1,531.62
Building Construction	Cranes	Diesel	Average	1.00	8.00	367.00	0.29	4.26	8	242	8,241.94
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.00	0.20	0.66	14	242	2,222.53
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.00	0.74	0.41	8	242	802.28
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.00	0.37	1.24	6	242	1,805.13
Building Construction	Welders	Diesel	Average	3.00	8.00	46.00	0.45	0.83	24	242	4,809.02
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.00	0.56	0.22	8	66	118.27
Paving	Pavers	Diesel	Average	1.00	8.00	81.00	0.42	1.36	8	66	718.50
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.00	0.36	1.28	8	66	676.68
Paving	Rollers	Diesel	Average	2.00	8.00	36.00	0.38	0.55	16	66	577.84
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.00	0.37	1.24	8	66	656.41
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.00	0.48	0.71	6	66	281.32
										Total Construction Off-Road Fuel Consumption (gallon)	***32,003.14***
										Countywide Off-Road Fuel Consumption (2026) (gallon) [2]	***47,637,140.62***
										Percentage Increase Countywide	***0.0672%***

Notes:

1. Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

2. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's OFFROAD2021 (v1.0.5) Emissions Inventory.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

First and Moutain View Project

Energy Calculations

Constrution On-Road (Mobile) Fuel Consumption

WORKER TRIPS							
Phase	**Phase Length (# days)**	**# One-Way Trips**	**# Round Trips**	**Worker Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Demolition	44	12.5	25	18.5	20,350	**24.90284233**	817.18
Grading	88	10	20	18.5	32,560		1,307.48
Building Construction	242	43.92	88	18.5	393,260		15,791.76
Paving	66	15	30	18.5	36,630		1,470.92
Architectural Coating	66	8.784	18	18.5	21,451		861.37
						Worker Trips Total	*20,248.70*
VENDOR TRIPS							
Phase	**Phase Length (# days)**	**# One-Way Trips**	**# Round Trips**	**Vendor Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Demolition	44	0	0	10.2	0	**8.343886151**	0.00
Grading	88	0	0	10.2	0		0.00
Building Construction	242	6.5209	13.0418	10.2	32,192		3,858.20
Paving	66	0	0	10.2	0		0.00
Architectural Coating	66	0	0	10.2	0		0.00
						Vendor Trips Total	*3,858.20*
HAULING TRIPS							
Phase	**Phase Length (# days)**	**# One-Way Trips**	**# Round Trips**	**Hauling Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)[1]**	**Total Fuel Consumption (gallon)**
Demolition	44	8.431818182	17	4.5	3,339	**8.343886151**	400.17
Grading	88	8.295454545	17	4.5	6,570		787.40
Building Construction	242	0	0	4.5	0		0.00
Paving	66	0	0	4.5	0		0.00
Architectural Coating	66	0	0	4.5	0		0.00
						Hauling Trips Total	*1,187.58*
						Total Construction On-Road (Mobile) Fuel Consumption (gallon)	**25,294.48**
						Countywide On-Road (Mobile) Fuel Consumption (2026) (gallon)[1]	***1,255,867,450***
						Percentage Increase Countywide	***0.0020%***

Notes:

1. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

First and Moutain View Project **Energy Calculations**

Operation On-Road (Mobile) Fuel Consumption

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallon)[4]
Passenger Cars	0.49	187	499,513	22	22,705
Light/Medium Trucks	0.48	181	483,231	17.3	27,932
Heavy Trucks/Other	0.03	10	27,079	6.4	4,231
Total	***1.00***	**379**	***1,009,823***	**--**	***54,869***
			Total Operational On-Road (Mobile) Fuel Consumption (gallon)		***54,869***
			Countywide On-Road Fuel Consumption (2027) (gallon)[5]		***1,236,325,315***
			Percentage Increase Countywide		***0.0044%***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from Traffic Study
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.