

Montiel Road Subdivision Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Montiel Road Subdivision
Construction Start Date	4/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20000
Precipitation (days)	12.8000
Location	1434 Montiel Rd, Escondido, CA 92026, USA
County	San Diego
City	Unincorporated
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6279
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.44

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
Single Family Housing	10.00000	Dwelling Unit	1.98000	19,500.0	117,129	—	28.0000	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

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.	4.23030	2.18816	55.6830	31.1658	0.25311	1.19738	16.5732	17.7706	0.93479	5.99802	6.93281	—	36,728.9	36,728.9	1.84857	5.42219	67.7723	38,458.7
Mit.	4.23030	2.18816	55.6830	31.1658	0.25311	1.19738	11.2005	12.3979	0.93479	3.44379	4.37859	—	36,728.9	36,728.9	1.84857	5.42219	67.7723	38,458.7
% Reduced	—	—	—	—	—	—	32%	30%	—	43%	37%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.3377	12.3149	8.29807	10.0523	0.01961	0.26168	0.10572	0.29896	0.24077	0.02478	0.24980	—	1,857.70	1,857.70	0.07572	0.01948	0.00868	1,865.40
Mit.	12.3377	12.3149	8.29807	10.0523	0.01961	0.26168	0.10572	0.29896	0.24077	0.02478	0.24980	—	1,857.70	1,857.70	0.07572	0.01948	0.00868	1,865.40
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.60246	0.48686	4.53218	5.06974	0.01197	0.13708	0.23280	0.36988	0.12430	0.08626	0.21056	—	1,275.92	1,275.92	0.05582	0.06853	0.35465	1,298.09

Mit.	0.60246	0.48686	4.53218	5.06974	0.01197	0.13708	0.14853	0.28561	0.12430	0.04609	0.17039	—	1,275.92	1,275.92	0.05582	0.06853	0.35465	1,298.09
% Reduced	—	—	—	—	—	—	36%	23%	—	47%	19%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10995	0.08885	0.82712	0.92523	0.00218	0.02502	0.04249	0.06750	0.02268	0.01574	0.03843	—	211.243	211.243	0.00924	0.01135	0.05872	214.914
Mit.	0.10995	0.08885	0.82712	0.92523	0.00218	0.02502	0.02711	0.05212	0.02268	0.00841	0.03110	—	211.243	211.243	0.00924	0.01135	0.05872	214.914
% Reduced	—	—	—	—	—	—	36%	23%	—	47%	19%	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.23030	2.18816	55.6830	31.1658	0.25311	1.19738	16.5732	17.7706	0.93479	5.99802	6.93281	—	36,728.9	36,728.9	1.84857	5.42219	67.7723	38,458.7
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.18255	0.98426	8.29807	10.0523	0.01960	0.26168	0.03729	0.29896	0.24077	0.00903	0.24980	—	1,857.70	1,857.70	0.07572	0.01948	0.00425	1,865.40
2028	12.3377	12.3149	7.93197	10.0132	0.01961	0.23123	0.10572	0.26852	0.21276	0.02478	0.22179	—	1,856.90	1,856.90	0.07466	0.01941	0.00868	1,864.56
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.60246	0.48686	4.53218	5.06974	0.01197	0.13708	0.23280	0.36988	0.12430	0.08626	0.21056	—	1,275.92	1,275.92	0.05582	0.06853	0.35465	1,298.09
2028	0.45069	0.43136	0.81917	1.08278	0.00199	0.02434	0.00622	0.03056	0.02239	0.00148	0.02388	—	193.831	193.831	0.00774	0.00204	0.00969	194.643
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.10995	0.08885	0.82712	0.92523	0.00218	0.02502	0.04249	0.06750	0.02268	0.01574	0.03843	—	211.243	211.243	0.00924	0.01135	0.05872	214.914
2028	0.08225	0.07872	0.14950	0.19761	0.00036	0.00444	0.00114	0.00558	0.00409	0.00027	0.00436	—	32.0910	32.0910	0.00128	0.00034	0.00160	32.2253

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	7.26032	7.79929	0.49585	3.45165	3.94750	—	2,455.46	2,455.46	0.09960	0.01992	0.00000	2,463.88
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	0.00000	0.26132	0.24041	0.00000	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	0.00000	1,807.09
2028	12.3350	12.3125	7.88994	9.87597	0.01943	0.23087	0.00000	0.23087	0.21240	0.00000	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	0.00000	1,807.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.56696	0.47194	4.01857	4.81030	0.00936	0.12970	0.11389	0.24358	0.11932	0.05429	0.17360	—	873.483	873.483	0.03543	0.00709	0.00000	876.480
2028	0.44806	0.42905	0.81458	1.05838	0.00198	0.02431	0.00000	0.02431	0.02236	0.00000	0.02236	—	185.924	185.924	0.00754	0.00151	0.00000	186.562
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.10347	0.08613	0.73339	0.87788	0.00171	0.02367	0.02078	0.04445	0.02178	0.00991	0.03168	—	144.615	144.615	0.00587	0.00117	0.00000	145.111
2028	0.08177	0.07830	0.14866	0.19315	0.00036	0.00444	0.00000	0.00444	0.00408	0.00000	0.00408	—	30.7819	30.7819	0.00125	0.00025	0.00000	30.8875

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.59539	0.81438	43.5017	17.2981	0.23044	0.65841	9.31285	9.97126	0.43894	2.54636	2.98530	—	34,273.4	34,273.4	1.74897	5.40227	67.7723	35,994.8
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01548	0.01321	0.04469	0.14515	0.00018	0.00036	0.03729	0.03765	0.00036	0.00903	0.00939	—	56.7866	56.7866	0.00267	0.00487	0.00425	58.3095

2028	0.04655	0.04215	0.04203	0.42415	0.00018	0.00036	0.10572	0.10572	0.00036	0.02478	0.02478	—	105.961	105.961	0.00220	0.00479	0.00868	107.255
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03550	0.01491	0.51361	0.25945	0.00261	0.00738	0.11892	0.12630	0.00498	0.03198	0.03695	—	402.437	402.437	0.02039	0.06144	0.35465	421.610
2028	0.00263	0.00231	0.00459	0.02440	0.00002	0.00003	0.00622	0.00625	0.00003	0.00148	0.00151	—	7.90693	7.90693	0.00020	0.00053	0.00969	8.08025
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.00648	0.00272	0.09373	0.04735	0.00048	0.00135	0.02170	0.02305	0.00091	0.00584	0.00674	—	66.6280	66.6280	0.00338	0.01017	0.05872	69.8023
2028	0.00048	0.00042	0.00084	0.00445	< 0.000005	0.00001	0.00114	0.00114	0.00001	0.00027	0.00028	—	1.30908	1.30908	0.00003	0.00009	0.00160	1.33778

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.23030	2.18816	55.6830	31.1658	0.25311	1.19738	11.2005	12.3979	0.93479	3.44379	4.37859	—	36,728.9	36,728.9	1.84857	5.42219	67.7723	38,458.7
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.18255	0.98426	8.29807	10.0523	0.01960	0.26168	0.03729	0.29896	0.24077	0.00903	0.24980	—	1,857.70	1,857.70	0.07572	0.01948	0.00425	1,865.40
2028	12.3377	12.3149	7.93197	10.0132	0.01961	0.23123	0.10572	0.26852	0.21276	0.02478	0.22179	—	1,856.90	1,856.90	0.07466	0.01941	0.00868	1,864.56
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.60246	0.48686	4.53218	5.06974	0.01197	0.13708	0.14853	0.28561	0.12430	0.04609	0.17039	—	1,275.92	1,275.92	0.05582	0.06853	0.35465	1,298.09
2028	0.45069	0.43136	0.81917	1.08278	0.00199	0.02434	0.00622	0.03056	0.02239	0.00148	0.02388	—	193.831	193.831	0.00774	0.00204	0.00969	194.643
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.10995	0.08885	0.82712	0.92523	0.00218	0.02502	0.02711	0.05212	0.02268	0.00841	0.03110	—	211.243	211.243	0.00924	0.01135	0.05872	214.914
2028	0.08225	0.07872	0.14950	0.19761	0.00036	0.00444	0.00114	0.00558	0.00409	0.00027	0.00436	—	32.0910	32.0910	0.00128	0.00034	0.00160	32.2253

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	1.88768	2.42665	0.49585	0.89743	1.39328	—	2,455.46	2,455.46	0.09960	0.01992	0.00000	2,463.88
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	0.00000	0.26132	0.24041	0.00000	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	0.00000	1,807.09
2028	12.3350	12.3125	7.88994	9.87597	0.01943	0.23087	0.00000	0.23087	0.21240	0.00000	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	0.00000	1,807.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.56696	0.47194	4.01857	4.81030	0.00936	0.12970	0.02961	0.15931	0.11932	0.01411	0.13343	—	873.483	873.483	0.03543	0.00709	0.00000	876.480
2028	0.44806	0.42905	0.81458	1.05838	0.00198	0.02431	0.00000	0.02431	0.02236	0.00000	0.02236	—	185.924	185.924	0.00754	0.00151	0.00000	186.562
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.10347	0.08613	0.73339	0.87788	0.00171	0.02367	0.00540	0.02907	0.02178	0.00258	0.02435	—	144.615	144.615	0.00587	0.00117	0.00000	145.111
2028	0.08177	0.07830	0.14866	0.19315	0.00036	0.00444	0.00000	0.00444	0.00408	0.00000	0.00408	—	30.7819	30.7819	0.00125	0.00025	0.00000	30.8875

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.59539	0.81438	43.5017	17.2981	0.23044	0.65841	9.31285	9.97126	0.43894	2.54636	2.98530	—	34,273.4	34,273.4	1.74897	5.40227	67.7723	35,994.8
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01548	0.01321	0.04469	0.14515	0.00018	0.00036	0.03729	0.03765	0.00036	0.00903	0.00939	—	56.7866	56.7866	0.00267	0.00487	0.00425	58.3095

2028	0.04655	0.04215	0.04203	0.42415	0.00018	0.00036	0.10572	0.10572	0.00036	0.02478	0.02478	—	105.961	105.961	0.00220	0.00479	0.00868	107.255
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03550	0.01491	0.51361	0.25945	0.00261	0.00738	0.11892	0.12630	0.00498	0.03198	0.03695	—	402.437	402.437	0.02039	0.06144	0.35465	421.610
2028	0.00263	0.00231	0.00459	0.02440	0.00002	0.00003	0.00622	0.00625	0.00003	0.00148	0.00151	—	7.90693	7.90693	0.00020	0.00053	0.00969	8.08025
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.00648	0.00272	0.09373	0.04735	0.00048	0.00135	0.02170	0.02305	0.00091	0.00584	0.00674	—	66.6280	66.6280	0.00338	0.01017	0.05872	69.8023
2028	0.00048	0.00042	0.00084	0.00445	< 0.000005	0.00001	0.00114	0.00114	0.00001	0.00027	0.00028	—	1.30908	1.30908	0.00003	0.00009	0.00160	1.33778

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.	16.4156	16.1239	0.56627	21.5736	0.03984	2.61237	0.47083	3.08320	2.60010	0.11941	2.71952	281.968	852.716	1,134.68	0.72284	0.04302	1.41989	1,166.99
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.3584	16.0689	0.57968	20.9134	0.03959	2.61211	0.47083	3.08294	2.59991	0.11941	2.71932	281.968	828.201	1,110.17	0.72451	0.04424	0.17285	1,141.64
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.30924	4.22027	0.34296	6.49404	0.01299	0.59419	0.45653	1.05072	0.59124	0.11580	0.70704	66.6420	731.398	798.040	0.52477	0.02808	0.68012	820.207
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.78644	0.77020	0.06259	1.18516	0.00237	0.10844	0.08332	0.19176	0.10790	0.02113	0.12903	11.0333	121.091	132.125	0.08688	0.00465	0.11260	135.795

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	0.34640	0.32110	0.19007	2.08302	0.00513	0.00360	0.47083	0.47443	0.00337	0.11941	0.12278	—	522.721	522.721	0.02506	0.02044	1.28023	530.719
Area	16.0607	15.7986	0.30420	19.4599	0.03425	2.60294	—	2.60294	2.59091	—	2.59091	277.717	117.324	395.042	0.25630	0.01994	—	407.391
Energy	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	190.491	190.491	0.01364	0.00085	—	191.084
Water	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Waste	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	16.4156	16.1239	0.56627	21.5736	0.03984	2.61237	0.47083	3.08320	2.60010	0.11941	2.71952	281.968	852.716	1,134.68	0.72284	0.04302	1.41989	1,166.99
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.34119	0.31530	0.20881	1.99168	0.00490	0.00361	0.47083	0.47443	0.00337	0.11941	0.12278	—	499.723	499.723	0.02680	0.02168	0.03319	506.886
Area	16.0087	15.7493	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Energy	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	190.491	190.491	0.01364	0.00085	—	191.084
Water	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Waste	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	16.3584	16.0689	0.57968	20.9134	0.03959	2.61211	0.47083	3.08294	2.59991	0.11941	2.71932	281.968	828.201	1,110.17	0.72451	0.04424	0.17285	1,141.64
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.32922	0.30409	0.20118	1.93886	0.00483	0.00353	0.45653	0.46006	0.00329	0.11580	0.11910	—	491.962	491.962	0.02570	0.02096	0.54046	499.391
Area	3.97160	3.91196	0.06977	4.52454	0.00770	0.58484	—	0.58484	0.58212	—	0.58212	62.3913	26.7650	89.1563	0.05760	0.00448	—	91.9322
Energy	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	190.491	190.491	0.01364	0.00085	—	191.084
Water	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Waste	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	4.30924	4.22027	0.34296	6.49404	0.01299	0.59419	0.45653	1.05072	0.59124	0.11580	0.70704	66.6420	731.398	798.040	0.52477	0.02808	0.68012	820.207

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.06008	0.05550	0.03672	0.35384	0.00088	0.00064	0.08332	0.08396	0.00060	0.02113	0.02174	—	81.4500	81.4500	0.00426	0.00347	0.08948	82.6799
Area	0.72482	0.71393	0.01273	0.82573	0.00141	0.10673	—	0.10673	0.10624	—	0.10624	10.3296	4.43126	14.7608	0.00954	0.00074	—	15.2204
Energy	0.00154	0.00077	0.01314	0.00559	0.00008	0.00106	—	0.00106	0.00106	—	0.00106	—	31.5380	31.5380	0.00226	0.00014	—	31.6362
Water	—	—	—	—	—	—	—	—	—	—	—	0.11146	3.67203	3.78350	0.01163	0.00030	—	4.16272
Waste	—	—	—	—	—	—	—	—	—	—	—	0.59230	0.00000	0.59230	0.05920	0.00000	—	2.07225
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02312	0.02312
Total	0.78644	0.77020	0.06259	1.18516	0.00237	0.10844	0.08332	0.19176	0.10790	0.02113	0.12903	11.0333	121.091	132.125	0.08688	0.00465	0.11260	135.795

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	0.34640	0.32110	0.19007	2.08302	0.00513	0.00360	0.47083	0.47443	0.00337	0.11941	0.12278	—	522.721	522.721	0.02506	0.02044	1.28023	530.719
Area	16.0607	15.7986	0.30420	19.4599	0.03425	2.60294	—	2.60294	2.59091	—	2.59091	277.717	117.324	395.042	0.25630	0.01994	—	407.391
Energy	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	190.491	190.491	0.01364	0.00085	—	191.084
Water	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Waste	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	16.4156	16.1239	0.56627	21.5736	0.03984	2.61237	0.47083	3.08320	2.60010	0.11941	2.71952	281.968	852.716	1,134.68	0.72284	0.04302	1.41989	1,166.99
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.34119	0.31530	0.20881	1.99168	0.00490	0.00361	0.47083	0.47443	0.00337	0.11941	0.12278	—	499.723	499.723	0.02680	0.02168	0.03319	506.886
Area	16.0087	15.7493	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Energy	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	190.491	190.491	0.01364	0.00085	—	191.084
Water	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431

Waste	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	16.3584	16.0689	0.57968	20.9134	0.03959	2.61211	0.47083	3.08294	2.59991	0.11941	2.71932	281.968	828.201	1,110.17	0.72451	0.04424	0.17285	1,141.64
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.32922	0.30409	0.20118	1.93886	0.00483	0.00353	0.45653	0.46006	0.00329	0.11580	0.11910	—	491.962	491.962	0.02570	0.02096	0.54046	499.391
Area	3.97160	3.91196	0.06977	4.52454	0.00770	0.58484	—	0.58484	0.58212	—	0.58212	62.3913	26.7650	89.1563	0.05760	0.00448	—	91.9322
Energy	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	190.491	190.491	0.01364	0.00085	—	191.084
Water	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Waste	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	4.30924	4.22027	0.34296	6.49404	0.01299	0.59419	0.45653	1.05072	0.59124	0.11580	0.70704	66.6420	731.398	798.040	0.52477	0.02808	0.68012	820.207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.06008	0.05550	0.03672	0.35384	0.00088	0.00064	0.08332	0.08396	0.00060	0.02113	0.02174	—	81.4500	81.4500	0.00426	0.00347	0.08948	82.6799
Area	0.72482	0.71393	0.01273	0.82573	0.00141	0.10673	—	0.10673	0.10624	—	0.10624	10.3296	4.43126	14.7608	0.00954	0.00074	—	15.2204
Energy	0.00154	0.00077	0.01314	0.00559	0.00008	0.00106	—	0.00106	0.00106	—	0.00106	—	31.5380	31.5380	0.00226	0.00014	—	31.6362
Water	—	—	—	—	—	—	—	—	—	—	—	0.11146	3.67203	3.78350	0.01163	0.00030	—	4.16272
Waste	—	—	—	—	—	—	—	—	—	—	—	0.59230	0.00000	0.59230	0.05920	0.00000	—	2.07225
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02312	0.02312
Total	0.78644	0.77020	0.06259	1.18516	0.00237	0.10844	0.08332	0.19176	0.10790	0.02113	0.12903	11.0333	121.091	132.125	0.08688	0.00465	0.11260	135.795

3. Construction Emissions Details

3.1. Site Preparation (2027)

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41617	1.18998	10.4379	11.5743	0.01907	0.47275	—	0.47275	0.43493	—	0.43493	—	2,065.36	2,065.36	0.08378	0.01676	—	2,072.45
Dust From Material Movement	—	—	—	—	—	—	6.26354	6.26354	—	3.00380	3.00380	—	—	—	—	—	—	—
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	0.00776	0.00652	0.05719	0.06342	0.00010	0.00259	—	0.00259	0.00238	—	0.00238	—	11.3171	11.3171	0.00046	0.00009	—	11.3559
Dust From Material Movement	—	—	—	—	—	—	0.03432	0.03432	—	0.01646	0.01646	—	—	—	—	—	—	—
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	0.00142	0.00119	0.01044	0.01157	0.00002	0.00047	—	0.00047	0.00043	—	0.00043	—	1.87367	1.87367	0.00008	0.00002	—	1.88010
Dust From Material Movement	—	—	—	—	—	—	0.00626	0.00626	—	0.00300	0.00300	—	—	—	—	—	—	—

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
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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	0.02892	0.02645	0.01848	0.30740	0.00000	0.00000	0.06343	0.06343	0.00000	0.01487	0.01487	—	68.5331	68.5331	0.00314	0.00248	0.22218	69.5713
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	0.00015	0.00014	0.00013	0.00150	0.00000	0.00000	0.00034	0.00034	0.00000	0.00008	0.00008	—	0.35783	0.35783	0.00002	0.00001	0.00053	0.36285
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	0.00003	0.00003	0.00002	0.00027	0.00000	0.00000	0.00006	0.00006	0.00000	0.00001	0.00001	—	0.05924	0.05924	< 0.000005	< 0.000005	0.00009	0.06007
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

3.1.3. 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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41617	1.18998	10.4379	11.5743	0.01907	0.47275	—	0.47275	0.43493	—	0.43493	—	2,065.36	2,065.36	0.08378	0.01676	—	2,072.45
Dust From Material Movement	—	—	—	—	—	—	1.62852	1.62852	—	0.78099	0.78099	—	—	—	—	—	—	—
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	0.00776	0.00652	0.05719	0.06342	0.00010	0.00259	—	0.00259	0.00238	—	0.00238	—	11.3171	11.3171	0.00046	0.00009	—	11.3559
Dust From Material Movement	—	—	—	—	—	—	0.00892	0.00892	—	0.00428	0.00428	—	—	—	—	—	—	—
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	0.00142	0.00119	0.01044	0.01157	0.00002	0.00047	—	0.00047	0.00043	—	0.00043	—	1.87367	1.87367	0.00008	0.00002	—	1.88010
Dust From Material Movement	—	—	—	—	—	—	0.00163	0.00163	—	0.00078	0.00078	—	—	—	—	—	—	—

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
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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	0.02892	0.02645	0.01848	0.30740	0.00000	0.00000	0.06343	0.06343	0.00000	0.01487	0.01487	—	68.5331	68.5331	0.00314	0.00248	0.22218	69.5713
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	0.00015	0.00014	0.00013	0.00150	0.00000	0.00000	0.00034	0.00034	0.00000	0.00008	0.00008	—	0.35783	0.35783	0.00002	0.00001	0.00053	0.36285
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	0.00003	0.00003	0.00002	0.00027	0.00000	0.00000	0.00006	0.00006	0.00000	0.00001	0.00001	—	0.05924	0.05924	< 0.000005	< 0.000005	0.00009	0.06007
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

3.2. Grading (2027)

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	7.26032	7.26032	—	3.45165	3.45165	—	—	—	—	—	—	—
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	0.01792	0.01506	0.13349	0.15197	0.00025	0.00591	—	0.00591	0.00543	—	0.00543	—	26.9091	26.9091	0.00109	0.00022	—	27.0015
Dust From Material Movement	—	—	—	—	—	—	0.07957	0.07957	—	0.03783	0.03783	—	—	—	—	—	—	—
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	0.00327	0.00275	0.02436	0.02774	0.00005	0.00108	—	0.00108	0.00099	—	0.00099	—	4.45511	4.45511	0.00018	0.00004	—	4.47040
Dust From Material Movement	—	—	—	—	—	—	0.01452	0.01452	—	0.00690	0.00690	—	—	—	—	—	—	—

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
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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	0.03856	0.03526	0.02465	0.40987	0.00000	0.00000	0.08457	0.08457	0.00000	0.01982	0.01982	—	91.3775	91.3775	0.00418	0.00330	0.29623	92.7618
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	2.55683	0.77912	43.4770	16.8882	0.23044	0.65841	9.22828	9.88669	0.43894	2.52654	2.96548	—	34,182.0	34,182.0	1.74479	5.39897	67.4761	35,902.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00041	0.00037	0.00034	0.00399	0.00000	0.00000	0.00092	0.00092	0.00000	0.00022	0.00022	—	0.95422	0.95422	0.00005	0.00004	0.00140	0.96760
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	0.02778	0.00830	0.49258	0.18592	0.00253	0.00722	0.10050	0.10771	0.00481	0.02753	0.03234	—	374.663	374.663	0.01912	0.05917	0.31986	393.092
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00006	0.00073	0.00000	0.00000	0.00017	0.00017	0.00000	0.00004	0.00004	—	0.15798	0.15798	0.00001	0.00001	0.00023	0.16020
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	0.00507	0.00151	0.08989	0.03393	0.00046	0.00132	0.01834	0.01966	0.00088	0.00502	0.00590	—	62.0297	62.0297	0.00317	0.00980	0.05296	65.0809

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	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	1.88768	1.88768	—	0.89743	0.89743	—	—	—	—	—	—	—
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	0.01792	0.01506	0.13349	0.15197	0.00025	0.00591	—	0.00591	0.00543	—	0.00543	—	26.9091	26.9091	0.00109	0.00022	—	27.0015
Dust From Material Movement	—	—	—	—	—	—	0.02069	0.02069	—	0.00983	0.00983	—	—	—	—	—	—	—
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	0.00327	0.00275	0.02436	0.02774	0.00005	0.00108	—	0.00108	0.00099	—	0.00099	—	4.45511	4.45511	0.00018	0.00004	—	4.47040
Dust From Material Movement	—	—	—	—	—	—	0.00378	0.00378	—	0.00179	0.00179	—	—	—	—	—	—	—
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	0.03856	0.03526	0.02465	0.40987	0.00000	0.00000	0.08457	0.08457	0.00000	0.01982	0.01982	—	91.3775	91.3775	0.00418	0.00330	0.29623	92.7618
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	2.55683	0.77912	43.4770	16.8882	0.23044	0.65841	9.22828	9.88669	0.43894	2.52654	2.96548	—	34,182.0	34,182.0	1.74479	5.39897	67.4761	35,902.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00041	0.00037	0.00034	0.00399	0.00000	0.00000	0.00092	0.00092	0.00000	0.00022	0.00022	—	0.95422	0.95422	0.00005	0.00004	0.00140	0.96760
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	0.02778	0.00830	0.49258	0.18592	0.00253	0.00722	0.10050	0.10771	0.00481	0.02753	0.03234	—	374.663	374.663	0.01912	0.05917	0.31986	393.092
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00006	0.00073	0.00000	0.00000	0.00017	0.00017	0.00000	0.00004	0.00004	—	0.15798	0.15798	0.00001	0.00001	0.00023	0.16020
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	0.00507	0.00151	0.08989	0.03393	0.00046	0.00132	0.01834	0.01966	0.00088	0.00502	0.00590	—	62.0297	62.0297	0.00317	0.00980	0.05296	65.0809

3.3. Building Construction (2027)

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	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
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	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
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	0.54128	0.45037	3.82789	4.59490	0.00901	0.12120	—	0.12120	0.11150	—	0.11150	—	835.257	835.257	0.03388	0.00678	—	838.123
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	0.09878	0.08219	0.69859	0.83857	0.00164	0.02212	—	0.02212	0.02035	—	0.02035	—	138.286	138.286	0.00561	0.00112	—	138.761
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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01388	0.01269	0.00887	0.14755	0.00000	0.00000	0.03045	0.03045	0.00000	0.00714	0.00714	—	32.8959	32.8959	0.00151	0.00119	0.10664	33.3942
Vendor	0.00190	0.00090	0.03243	0.01531	0.00018	0.00036	0.00684	0.00720	0.00036	0.00189	0.00225	—	25.7013	25.7013	0.00098	0.00361	0.05734	26.8575
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	0.01364	0.01238	0.01109	0.12960	0.00000	0.00000	0.03045	0.03045	0.00000	0.00714	0.00714	—	31.0680	31.0680	0.00166	0.00127	0.00276	31.4901
Vendor	0.00183	0.00083	0.03360	0.01555	0.00018	0.00036	0.00684	0.00720	0.00036	0.00189	0.00225	—	25.7185	25.7185	0.00100	0.00361	0.00149	26.8194
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	0.00629	0.00570	0.00511	0.06084	0.00000	0.00000	0.01400	0.01400	0.00000	0.00328	0.00328	—	14.5382	14.5382	0.00074	0.00055	0.02136	14.7421
Vendor	0.00086	0.00040	0.01546	0.00720	0.00008	0.00017	0.00315	0.00332	0.00017	0.00087	0.00104	—	11.9235	11.9235	0.00046	0.00167	0.01150	12.4449
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	0.00115	0.00104	0.00093	0.01110	0.00000	0.00000	0.00256	0.00256	0.00000	0.00060	0.00060	—	2.40696	2.40696	0.00012	0.00009	0.00354	2.44072
Vendor	0.00016	0.00007	0.00282	0.00131	0.00002	0.00003	0.00058	0.00061	0.00003	0.00016	0.00019	—	1.97408	1.97408	0.00008	0.00028	0.00190	2.06040
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	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09

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 Equipm ent	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
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 Equipm ent	0.54128	0.45037	3.82789	4.59490	0.00901	0.12120	—	0.12120	0.11150	—	0.11150	—	835.257	835.257	0.03388	0.00678	—	838.123
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 ent	0.09878	0.08219	0.69859	0.83857	0.00164	0.02212	—	0.02212	0.02035	—	0.02035	—	138.286	138.286	0.00561	0.00112	—	138.761
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	0.01388	0.01269	0.00887	0.14755	0.00000	0.00000	0.03045	0.03045	0.00000	0.00714	0.00714	—	32.8959	32.8959	0.00151	0.00119	0.10664	33.3942
Vendor	0.00190	0.00090	0.03243	0.01531	0.00018	0.00036	0.00684	0.00720	0.00036	0.00189	0.00225	—	25.7013	25.7013	0.00098	0.00361	0.05734	26.8575

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	0.01364	0.01238	0.01109	0.12960	0.00000	0.00000	0.03045	0.03045	0.00000	0.00714	0.00714	—	31.0680	31.0680	0.00166	0.00127	0.00276	31.4901
Vendor	0.00183	0.00083	0.03360	0.01555	0.00018	0.00036	0.00684	0.00720	0.00036	0.00189	0.00225	—	25.7185	25.7185	0.00100	0.00361	0.00149	26.8194
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	0.00629	0.00570	0.00511	0.06084	0.00000	0.00000	0.01400	0.01400	0.00000	0.00328	0.00328	—	14.5382	14.5382	0.00074	0.00055	0.02136	14.7421
Vendor	0.00086	0.00040	0.01546	0.00720	0.00008	0.00017	0.00315	0.00332	0.00017	0.00087	0.00104	—	11.9235	11.9235	0.00046	0.00167	0.01150	12.4449
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	0.00115	0.00104	0.00093	0.01110	0.00000	0.00000	0.00256	0.00256	0.00000	0.00060	0.00060	—	2.40696	2.40696	0.00012	0.00009	0.00354	2.44072
Vendor	0.00016	0.00007	0.00282	0.00131	0.00002	0.00003	0.00058	0.00061	0.00003	0.00016	0.00019	—	1.97408	1.97408	0.00008	0.00028	0.00190	2.06040
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 (2028)

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	—	1,807.49

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	0.09604	0.07991	0.67937	0.85038	0.00167	0.01988	—	0.01988	0.01829	—	0.01829	—	155.103	155.103	0.00629	0.00126	—	155.636
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	0.01753	0.01458	0.12398	0.15519	0.00031	0.00363	—	0.00363	0.00334	—	0.00334	—	25.6791	25.6791	0.00104	0.00021	—	25.7672
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01341	0.01214	0.01006	0.12215	0.00000	0.00000	0.03045	0.03045	0.00000	0.00714	0.00714	—	30.5169	30.5169	0.00063	0.00119	0.00250	30.8893
Vendor	0.00181	0.00083	0.03197	0.01510	0.00018	0.00036	0.00684	0.00720	0.00036	0.00189	0.00225	—	25.0739	25.0739	0.00095	0.00361	0.00133	26.1734
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	0.00114	0.00103	0.00086	0.01066	0.00000	0.00000	0.00260	0.00260	0.00000	0.00061	0.00061	—	2.65114	2.65114	0.00005	0.00010	0.00359	2.68659
Vendor	0.00016	0.00007	0.00273	0.00128	0.00002	0.00003	0.00059	0.00062	0.00003	0.00016	0.00019	—	2.15811	2.15811	0.00008	0.00031	0.00190	2.25457

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	0.00021	0.00019	0.00016	0.00195	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.43893	0.43893	0.00001	0.00002	0.00059	0.44479
Vendor	0.00003	0.00001	0.00050	0.00023	< 0.000005	0.00001	0.00011	0.00011	0.00001	0.00003	0.00004	—	0.35730	0.35730	0.00001	0.00005	0.00031	0.37327
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	—	1,807.49
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	0.09604	0.07991	0.67937	0.85038	0.00167	0.01988	—	0.01988	0.01829	—	0.01829	—	155.103	155.103	0.00629	0.00126	—	155.636
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	0.01753	0.01458	0.12398	0.15519	0.00031	0.00363	—	0.00363	0.00334	—	0.00334	—	25.6791	25.6791	0.00104	0.00021	—	25.7672
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01341	0.01214	0.01006	0.12215	0.00000	0.00000	0.03045	0.03045	0.00000	0.00714	0.00714	—	30.5169	30.5169	0.00063	0.00119	0.00250	30.8893
Vendor	0.00181	0.00083	0.03197	0.01510	0.00018	0.00036	0.00684	0.00720	0.00036	0.00189	0.00225	—	25.0739	25.0739	0.00095	0.00361	0.00133	26.1734
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	0.00114	0.00103	0.00086	0.01066	0.00000	0.00000	0.00260	0.00260	0.00000	0.00061	0.00061	—	2.65114	2.65114	0.00005	0.00010	0.00359	2.68659
Vendor	0.00016	0.00007	0.00273	0.00128	0.00002	0.00003	0.00059	0.00062	0.00003	0.00016	0.00019	—	2.15811	2.15811	0.00008	0.00031	0.00190	2.25457
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	0.00021	0.00019	0.00016	0.00195	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.43893	0.43893	0.00001	0.00002	0.00059	0.44479
Vendor	0.00003	0.00001	0.00050	0.00023	< 0.000005	0.00001	0.00011	0.00011	0.00001	0.00003	0.00004	—	0.35730	0.35730	0.00001	0.00005	0.00031	0.37327
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 (2028)

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51364	0.43091	4.12704	6.47373	0.00940	0.14628	—	0.14628	0.13458	—	0.13458	—	991.455	991.455	0.04022	0.00804	—	994.858
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01407	0.01181	0.11307	0.17736	0.00026	0.00401	—	0.00401	0.00369	—	0.00369	—	27.1632	27.1632	0.00110	0.00022	—	27.2564
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00257	0.00215	0.02064	0.03237	0.00005	0.00073	—	0.00073	0.00067	—	0.00067	—	4.49717	4.49717	0.00018	0.00004	—	4.51260
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04655	0.04215	0.03493	0.42415	0.00000	0.00000	0.10572	0.10572	0.00000	0.02478	0.02478	—	105.961	105.961	0.00220	0.00413	0.00868	107.255
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00126	0.00114	0.00095	0.01178	0.00000	0.00000	0.00287	0.00287	0.00000	0.00067	0.00067	—	2.92898	2.92898	0.00006	0.00011	0.00397	2.96813
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	0.00023	0.00021	0.00017	0.00215	0.00000	0.00000	0.00052	0.00052	0.00000	0.00012	0.00012	—	0.48493	0.48493	0.00001	0.00002	0.00066	0.49141
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.51364	0.43091	4.12704	6.47373	0.00940	0.14628	—	0.14628	0.13458	—	0.13458	—	991.455	991.455	0.04022	0.00804	—	994.858
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01407	0.01181	0.11307	0.17736	0.00026	0.00401	—	0.00401	0.00369	—	0.00369	—	27.1632	27.1632	0.00110	0.00022	—	27.2564
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00257	0.00215	0.02064	0.03237	0.00005	0.00073	—	0.00073	0.00067	—	0.00067	—	4.49717	4.49717	0.00018	0.00004	—	4.51260
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04655	0.04215	0.03493	0.42415	0.00000	0.00000	0.10572	0.10572	0.00000	0.02478	0.02478	—	105.961	105.961	0.00220	0.00413	0.00868	107.255
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00126	0.00114	0.00095	0.01178	0.00000	0.00000	0.00287	0.00287	0.00000	0.00067	0.00067	—	2.92898	2.92898	0.00006	0.00011	0.00397	2.96813
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	0.00023	0.00021	0.00017	0.00215	0.00000	0.00000	0.00052	0.00052	0.00000	0.00012	0.00012	—	0.48493	0.48493	0.00001	0.00002	0.00066	0.49141
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 (2028)

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	12.2051	12.2051	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00356	0.00294	0.02214	0.03064	0.00005	0.00042	—	0.00042	0.00039	—	0.00039	—	3.65800	3.65800	0.00015	0.00003	—	3.67055
Architectural Coatings	0.33439	0.33439	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00065	0.00054	0.00404	0.00559	0.00001	0.00008	—	0.00008	0.00007	—	0.00007	—	0.60562	0.60562	0.00002	< 0.000005	—	0.60770
Architectural Coatings	0.06103	0.06103	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00268	0.00243	0.00201	0.02443	0.00000	0.00000	0.00609	0.00609	0.00000	0.00143	0.00143	—	6.10338	6.10338	0.00013	0.00024	0.00050	6.17787
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00007	0.00007	0.00005	0.00068	0.00000	0.00000	0.00017	0.00017	0.00000	0.00004	0.00004	—	0.16871	0.16871	< 0.000005	0.00001	0.00023	0.17096
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	0.00001	0.00001	0.00001	0.00012	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02793	0.02793	< 0.000005	< 0.000005	0.00004	0.02831
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	12.2051	12.2051	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00356	0.00294	0.02214	0.03064	0.00005	0.00042	—	0.00042	0.00039	—	0.00039	—	3.65800	3.65800	0.00015	0.00003	—	3.67055
Architectural Coatings	0.33439	0.33439	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00065	0.00054	0.00404	0.00559	0.00001	0.00008	—	0.00008	0.00007	—	0.00007	—	0.60562	0.60562	0.00002	< 0.000005	—	0.60770
Architectural Coatings	0.06103	0.06103	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00268	0.00243	0.00201	0.02443	0.00000	0.00000	0.00609	0.00609	0.00000	0.00143	0.00143	—	6.10338	6.10338	0.00013	0.00024	0.00050	6.17787
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00007	0.00007	0.00005	0.00068	0.00000	0.00000	0.00017	0.00017	0.00000	0.00004	0.00004	—	0.16871	0.16871	< 0.000005	0.00001	0.00023	0.17096
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	0.00001	0.00001	0.00001	0.00012	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02793	0.02793	< 0.000005	< 0.000005	0.00004	0.02831
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.34640	0.32110	0.19007	2.08302	0.00513	0.00360	0.47083	0.47443	0.00337	0.11941	0.12278	—	522.721	522.721	0.02506	0.02044	1.28023	530.719
Total	0.34640	0.32110	0.19007	2.08302	0.00513	0.00360	0.47083	0.47443	0.00337	0.11941	0.12278	—	522.721	522.721	0.02506	0.02044	1.28023	530.719
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.34119	0.31530	0.20881	1.99168	0.00490	0.00361	0.47083	0.47443	0.00337	0.11941	0.12278	—	499.723	499.723	0.02680	0.02168	0.03319	506.886
Total	0.34119	0.31530	0.20881	1.99168	0.00490	0.00361	0.47083	0.47443	0.00337	0.11941	0.12278	—	499.723	499.723	0.02680	0.02168	0.03319	506.886

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06008	0.05550	0.03672	0.35384	0.00088	0.00064	0.08332	0.08396	0.00060	0.02113	0.02174	—	81.4500	81.4500	0.00426	0.00347	0.08948	82.6799
Total	0.06008	0.05550	0.03672	0.35384	0.00088	0.00064	0.08332	0.08396	0.00060	0.02113	0.02174	—	81.4500	81.4500	0.00426	0.00347	0.08948	82.6799

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.34640	0.32110	0.19007	2.08302	0.00513	0.00360	0.47083	0.47443	0.00337	0.11941	0.12278	—	522.721	522.721	0.02506	0.02044	1.28023	530.719
Total	0.34640	0.32110	0.19007	2.08302	0.00513	0.00360	0.47083	0.47443	0.00337	0.11941	0.12278	—	522.721	522.721	0.02506	0.02044	1.28023	530.719
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.34119	0.31530	0.20881	1.99168	0.00490	0.00361	0.47083	0.47443	0.00337	0.11941	0.12278	—	499.723	499.723	0.02680	0.02168	0.03319	506.886
Total	0.34119	0.31530	0.20881	1.99168	0.00490	0.00361	0.47083	0.47443	0.00337	0.11941	0.12278	—	499.723	499.723	0.02680	0.02168	0.03319	506.886
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06008	0.05550	0.03672	0.35384	0.00088	0.00064	0.08332	0.08396	0.00060	0.02113	0.02174	—	81.4500	81.4500	0.00426	0.00347	0.08948	82.6799
Total	0.06008	0.05550	0.03672	0.35384	0.00088	0.00064	0.08332	0.08396	0.00060	0.02113	0.02174	—	81.4500	81.4500	0.00426	0.00347	0.08948	82.6799

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Total	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Total	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	16.4069	16.4069	0.00092	0.00011	—	16.4631
Total	—	—	—	—	—	—	—	—	—	—	—	—	16.4069	16.4069	0.00092	0.00011	—	16.4631

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Total	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Total	—	—	—	—	—	—	—	—	—	—	—	—	99.0989	99.0989	0.00555	0.00067	—	99.4382
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	16.4069	16.4069	0.00092	0.00011	—	16.4631
Total	—	—	—	—	—	—	—	—	—	—	—	—	16.4069	16.4069	0.00092	0.00011	—	16.4631

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Total	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Total	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.00154	0.00077	0.01314	0.00559	0.00008	0.00106	—	0.00106	0.00106	—	0.00106	—	15.1311	15.1311	0.00134	0.00003	—	15.1731
Total	0.00154	0.00077	0.01314	0.00559	0.00008	0.00106	—	0.00106	0.00106	—	0.00106	—	15.1311	15.1311	0.00134	0.00003	—	15.1731

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Total	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Total	0.00843	0.00421	0.07200	0.03064	0.00046	0.00582	—	0.00582	0.00582	—	0.00582	—	91.3926	91.3926	0.00809	0.00017	—	91.6461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00154	0.00077	0.01314	0.00559	0.00008	0.00106	—	0.00106	0.00106	—	0.00106	—	15.1311	15.1311	0.00134	0.00003	—	15.1731
Total	0.00154	0.00077	0.01314	0.00559	0.00008	0.00106	—	0.00106	0.00106	—	0.00106	—	15.1311	15.1311	0.00134	0.00003	—	15.1731

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	15.5580	15.2986	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Consumer Products	0.41730	0.41730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03344	0.03344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05198	0.04922	0.00533	0.56884	0.00002	0.00026	—	0.00026	0.00020	—	0.00020	—	1.51687	1.51687	0.00006	0.00001	—	1.52221
Total	16.0607	15.7986	0.30420	19.4599	0.03425	2.60294	—	2.60294	2.59091	—	2.59091	277.717	117.324	395.042	0.25630	0.01994	—	407.391
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	15.5580	15.2986	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Consumer Products	0.41730	0.41730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03344	0.03344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	16.0087	15.7493	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.63788	0.62724	0.01225	0.77453	0.00140	0.10671	—	0.10671	0.10622	—	0.10622	10.3296	4.30741	14.6370	0.00953	0.00074	—	15.0961

Consumer Products	0.07616	0.07616	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00610	0.00610	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00468	0.00443	0.00048	0.05120	< 0.000005	0.00002	—	0.00002	0.00002	—	0.00002	—	0.12385	0.12385	0.00001	< 0.000005	—	0.12428
Total	0.72482	0.71393	0.01273	0.82573	0.00141	0.10673	—	0.10673	0.10624	—	0.10624	10.3296	4.43126	14.7608	0.00954	0.00074	—	15.2204

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	15.5580	15.2986	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Consumer Products	0.41730	0.41730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03344	0.03344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05198	0.04922	0.00533	0.56884	0.00002	0.00026	—	0.00026	0.00020	—	0.00020	—	1.51687	1.51687	0.00006	0.00001	—	1.52221
Total	16.0607	15.7986	0.30420	19.4599	0.03425	2.60294	—	2.60294	2.59091	—	2.59091	277.717	117.324	395.042	0.25630	0.01994	—	407.391

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	15.5580	15.2986	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Consumer Products	0.41730	0.41730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03344	0.03344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	16.0087	15.7493	0.29887	18.8911	0.03423	2.60268	—	2.60268	2.59072	—	2.59072	277.717	115.807	393.525	0.25624	0.01993	—	405.869
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.63788	0.62724	0.01225	0.77453	0.00140	0.10671	—	0.10671	0.10622	—	0.10622	10.3296	4.30741	14.6370	0.00953	0.00074	—	15.0961
Consumer Products	0.07616	0.07616	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00610	0.00610	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00468	0.00443	0.00048	0.05120	< 0.000005	0.00002	—	0.00002	0.00002	—	0.00002	—	0.12385	0.12385	0.00001	< 0.000005	—	0.12428
Total	0.72482	0.71393	0.01273	0.82573	0.00141	0.10673	—	0.10673	0.10624	—	0.10624	10.3296	4.43126	14.7608	0.00954	0.00074	—	15.2204

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Total	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Total	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.11146	3.67203	3.78350	0.01163	0.00030	—	4.16272
Total	—	—	—	—	—	—	—	—	—	—	—	0.11146	3.67203	3.78350	0.01163	0.00030	—	4.16272

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Total	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Total	—	—	—	—	—	—	—	—	—	—	—	0.67323	22.1793	22.8525	0.07027	0.00179	—	25.1431
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.11146	3.67203	3.78350	0.01163	0.00030	—	4.16272
Total	—	—	—	—	—	—	—	—	—	—	—	0.11146	3.67203	3.78350	0.01163	0.00030	—	4.16272

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Total	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Total	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.59230	0.00000	0.59230	0.05920	0.00000	—	2.07225

Total	—	—	—	—	—	—	—	—	—	—	—	0.59230	0.00000	0.59230	0.05920	0.00000	—	2.07225
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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Total	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Total	—	—	—	—	—	—	—	—	—	—	—	3.57752	0.00000	3.57752	0.35756	0.00000	—	12.5165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.59230	0.00000	0.59230	0.05920	0.00000	—	2.07225
Total	—	—	—	—	—	—	—	—	—	—	—	0.59230	0.00000	0.59230	0.05920	0.00000	—	2.07225

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02312	0.02312
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02312	0.02312

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13966	0.13966
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02312	0.02312
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02312	0.02312

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)

Equipm ent 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)

Equipm ent 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)

Equipm ent	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)

Equipm ent 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)

Equipm ent 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)

Vegetati on	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
Site Preparation	Site Preparation	4/30/2027	5/2/2027	5.00000	2.00000	—
Grading	Grading	5/3/2027	5/8/2027	5.00000	4.00000	—
Building Construction	Building Construction	5/9/2027	2/13/2028	5.00000	200.000	—
Paving	Paving	2/14/2028	2/28/2028	5.00000	10.00000	—
Architectural Coating	Architectural Coating	2/29/2028	3/14/2028	5.00000	10.00000	—

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
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.000000	7.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	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/Back hoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	6.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	1.000000	6.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	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	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	6.00000	81.0000	0.42000

Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	7.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	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
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.000000	7.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	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/Back hoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	6.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	1.000000	6.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	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	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	6.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	7.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	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
Site Preparation	Worker	7.50000	11.9700	LDA,LDT1,LDT2
Site Preparation	Vendor	—	7.63000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	11.9700	LDA,LDT1,LDT2
Grading	Vendor	—	7.63000	HHDT,MHDT
Grading	Hauling	497.750	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	3.60000	11.9700	LDA,LDT1,LDT2
Building Construction	Vendor	1.06900	7.63000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	12.5000	11.9700	LDA,LDT1,LDT2
Paving	Vendor	—	7.63000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	0.72000	11.9700	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	7.50000	11.9700	LDA,LDT1,LDT2

Site Preparation	Vendor	—	7.63000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	11.9700	LDA,LDT1,LDT2
Grading	Vendor	—	7.63000	HHDT,MHDT
Grading	Hauling	497.750	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	3.60000	11.9700	LDA,LDT1,LDT2
Building Construction	Vendor	1.06900	7.63000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	12.5000	11.9700	LDA,LDT1,LDT2
Paving	Vendor	—	7.63000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	0.72000	11.9700	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

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	39,487.5	13,162.5	0.00000	0.00000	—

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00000	0.00000	1.87500	0.00000	0.00000
Grading	15,923.0	0.00000	4.00000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.11019

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	0.11019	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	588.983	0.03300	0.00400
2028	0.00000	588.983	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
Single Family Housing	94.4000	95.4000	85.5000	34,044.1	659.718	666.706	597.520	237,918

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	94.4000	95.4000	85.5000	34,044.1	659.718	666.706	597.520	237,918

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	4	4
Single Family Housing	Gas Fireplaces	6	6
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	1	1
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	1	1
Single Family Housing	Non-Catalytic Wood Stoves	1	1
Single Family Housing	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)
39,487.5	13,162.5	0.00000	0.00000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000

Summer Days	day/yr	180.000
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5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

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)
Single Family Housing	61,412.8	588.983	0.0330	0.0040	285,169

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)
Single Family Housing	61,412.8	588.983	0.0330	0.0040	285,169

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	351,331	2,139,372

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
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Single Family Housing	351,331	2,139,372
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5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	6.63807	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	6.63807	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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
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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
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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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	16.8200	annual days of extreme heat
Extreme Precipitation	5.30000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	14.0400	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 $\frac{3}{4}$ 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	N/A	N/A	N/A	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	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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 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	47.3802
AQ-PM	18.0834
AQ-DPM	74.4368
Drinking Water	48.4451
Lead Risk Housing	39.8614
Pesticides	0.00000
Toxic Releases	13.2783
Traffic	48.6375
Effect Indicators	—
CleanUp Sites	64.4270
Groundwater	71.6918
Haz Waste Facilities/Generators	76.4394
Impaired Water Bodies	0.00000
Solid Waste	78.4192

Sensitive Population	—
Asthma	15.4536
Cardio-vascular	37.4128
Low Birth Weights	28.5219
Socioeconomic Factor Indicators	—
Education	53.4042
Housing	58.2256
Linguistic	73.7312
Poverty	47.5000
Unemployment	26.8610

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	36.08366483
Employed	37.23854741
Median HI	58.95034005
Education	—
Bachelor's or higher	28.6154241
High school enrollment	17.87501604
Preschool enrollment	33.63274734
Transportation	—
Auto Access	77.83908636
Active commuting	25.75388169
Social	—
2-parent households	74.78506352
Voting	52.0082125

Neighborhood	—
Alcohol availability	56.34543821
Park access	15.33427435
Retail density	44.78378032
Supermarket access	45.6691903
Tree canopy	40.13858591
Housing	—
Homeownership	40.15141794
Housing habitability	78.73732837
Low-inc homeowner severe housing cost burden	57.5003208
Low-inc renter severe housing cost burden	90.78660336
Uncrowded housing	60.77248813
Health Outcomes	—
Insured adults	13.78159887
Arthritis	88.1
Asthma ER Admissions	86.3
High Blood Pressure	96.0
Cancer (excluding skin)	80.0
Asthma	37.3
Coronary Heart Disease	87.2
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	82.1
Life Expectancy at Birth	50.4
Cognitively Disabled	84.2
Physically Disabled	86.7
Heart Attack ER Admissions	75.5
Mental Health Not Good	32.6
Chronic Kidney Disease	79.8

Obesity	53.5
Pedestrian Injuries	90.4
Physical Health Not Good	54.5
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	5.2
Current Smoker	26.7
No Leisure Time for Physical Activity	45.8
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	29.7
Elderly	84.9
English Speaking	13.1
Foreign-born	59.4
Outdoor Workers	7.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.7
Traffic Density	90.3
Traffic Access	23.0
Other Indices	—
Hardship	55.8
Other Decision Support	—
2016 Voting	70.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	42.0000

Healthy Places Index Score for Project Location (b)	40.0000
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	Lot acreage from project description
Construction: Construction Phases	No demolition needed. Site is currently vacant.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	3.24675	1.98000

8.6. Measure Input Overrides

8.6.1. Construction Measure Inputs

Measure Number and Input Name	Construction Phase	Equipment Type	Model Parameter	Default Value	New Value
C-10-A - Water Exposed Surfaces	—	—	Watering Frequency	2	3