

ADLT 109 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	ADLT 109
Construction Start Date	7/1/2027
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.80000
Precipitation (days)	1.40000
Location	34.583545017262026, -117.4415569616222
County	San Bernardino-Mojave Desert
City	Adelanto
Air District	Mojave Desert AQMD
Air Basin	Mojave Desert
TAZ	5104
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southwest Gas Corp.
App Version	2022.1.1.37

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	79.0000	Dwelling Unit	15.3000	154,050	925,316	—	261.000	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-12	Sweep Paved 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.	3.71955	3.13118	28.0415	29.5275	0.06093	1.17173	19.8858	21.0575	1.07799	10.1561	11.2341	—	6,879.11	6,879.11	0.27073	0.06869	1.90859	6,905.53
Mit.	3.71955	3.13118	28.0415	29.5275	0.06093	1.17173	5.33956	6.51130	1.07799	2.68025	3.75825	—	6,879.11	6,879.11	0.27073	0.06869	1.90859	6,905.53
% Reduced	—	—	—	—	—	—	73%	69%	—	74%	67%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.1945	50.1715	9.79971	14.4655	0.02556	0.34052	0.46085	0.80137	0.31359	0.11116	0.42476	—	3,032.55	3,032.55	0.10367	0.06953	0.04941	3,055.91
Mit.	50.1945	50.1715	9.79971	14.4655	0.02556	0.34052	0.46085	0.80137	0.31359	0.11116	0.42476	—	3,032.55	3,032.55	0.10367	0.06953	0.04941	3,055.91
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.15863	2.02471	6.43264	9.81852	0.01702	0.25310	2.60872	2.86182	0.23291	1.21681	1.44972	—	2,019.28	2,019.28	0.06900	0.04471	0.48473	2,034.82

Mit.	2.15863	2.02471	6.43264	9.81852	0.01702	0.25310	0.77366	1.02676	0.23291	0.33917	0.57208	—	2,019.28	2,019.28	0.06900	0.04471	0.48473	2,034.82
% Reduced	—	—	—	—	—	—	70%	64%	—	72%	61%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.39395	0.36951	1.17396	1.79188	0.00311	0.04619	0.47609	0.52228	0.04251	0.22207	0.26457	—	334.316	334.316	0.01142	0.00740	0.08025	336.888
Mit.	0.39395	0.36951	1.17396	1.79188	0.00311	0.04619	0.14119	0.18738	0.04251	0.06190	0.10440	—	334.316	334.316	0.01142	0.00740	0.08025	336.888
% Reduced	—	—	—	—	—	—	70%	64%	—	72%	61%	—	—	—	—	—	—	—

2.2. 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	3.71955	3.13118	28.0415	29.5275	0.06093	1.17173	19.8858	21.0575	1.07799	10.1561	11.2341	—	6,879.11	6,879.11	0.27073	0.06869	1.90859	6,905.53
2028	1.33960	1.12929	9.28374	14.9992	0.02556	0.30418	0.46085	0.76503	0.28016	0.11116	0.39133	—	3,065.25	3,065.25	0.10239	0.06869	1.70899	3,089.99
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.37631	1.15785	9.79971	14.4655	0.02556	0.34052	0.46085	0.80137	0.31359	0.11116	0.42476	—	3,032.55	3,032.55	0.10367	0.06953	0.04941	3,055.91
2028	50.1945	50.1715	9.31154	14.3546	0.02556	0.30418	0.46085	0.76503	0.28016	0.11116	0.39133	—	3,019.12	3,019.12	0.10304	0.06869	0.04431	3,042.21
2029	50.1873	50.1629	0.81479	1.35673	0.00173	0.01284	0.07717	0.09001	0.01181	0.01809	0.02990	—	204.317	204.317	0.00646	0.00388	0.00541	205.641
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.88238	0.74246	6.43264	7.66942	0.01415	0.25310	2.60872	2.86182	0.23291	1.21681	1.44972	—	1,625.16	1,625.16	0.06115	0.02294	0.21651	1,633.74
2028	2.15863	2.02471	6.29892	9.81852	0.01702	0.20726	0.30464	0.51190	0.19088	0.07340	0.26427	—	2,019.28	2,019.28	0.06900	0.04471	0.48473	2,034.82
2029	1.57143	1.57074	0.02559	0.04338	0.00005	0.00040	0.00241	0.00282	0.00037	0.00057	0.00094	—	6.46221	6.46221	0.00020	0.00012	0.00281	6.50629
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.16103	0.13550	1.17396	1.39967	0.00258	0.04619	0.47609	0.52228	0.04251	0.22207	0.26457	—	269.063	269.063	0.01012	0.00380	0.03585	270.484

2028	0.39395	0.36951	1.14955	1.79188	0.00311	0.03782	0.05560	0.09342	0.03484	0.01339	0.04823	—	334.316	334.316	0.01142	0.00740	0.08025	336.888
2029	0.28679	0.28666	0.00467	0.00792	0.00001	0.00007	0.00044	0.00051	0.00007	0.00010	0.00017	—	1.06989	1.06989	0.00003	0.00002	0.00047	1.07719

2.3. 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	3.71955	3.13118	28.0415	29.5275	0.06093	1.17173	5.33956	6.51130	1.07799	2.68025	3.75825	—	6,879.11	6,879.11	0.27073	0.06869	1.90859	6,905.53
2028	1.33960	1.12929	9.28374	14.9992	0.02556	0.30418	0.46085	0.76503	0.28016	0.11116	0.39133	—	3,065.25	3,065.25	0.10239	0.06869	1.70899	3,089.99
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.37631	1.15785	9.79971	14.4655	0.02556	0.34052	0.46085	0.80137	0.31359	0.11116	0.42476	—	3,032.55	3,032.55	0.10367	0.06953	0.04941	3,055.91
2028	50.1945	50.1715	9.31154	14.3546	0.02556	0.30418	0.46085	0.76503	0.28016	0.11116	0.39133	—	3,019.12	3,019.12	0.10304	0.06869	0.04431	3,042.21
2029	50.1873	50.1629	0.81479	1.35673	0.00173	0.01284	0.07717	0.09001	0.01181	0.01809	0.02990	—	204.317	204.317	0.00646	0.00388	0.00541	205.641
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.88238	0.74246	6.43264	7.66942	0.01415	0.25310	0.77366	1.02676	0.23291	0.33917	0.57208	—	1,625.16	1,625.16	0.06115	0.02294	0.21651	1,633.74
2028	2.15863	2.02471	6.29892	9.81852	0.01702	0.20726	0.30464	0.51190	0.19088	0.07340	0.26427	—	2,019.28	2,019.28	0.06900	0.04471	0.48473	2,034.82
2029	1.57143	1.57074	0.02559	0.04338	0.00005	0.00040	0.00241	0.00282	0.00037	0.00057	0.00094	—	6.46221	6.46221	0.00020	0.00012	0.00281	6.50629
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.16103	0.13550	1.17396	1.39967	0.00258	0.04619	0.14119	0.18738	0.04251	0.06190	0.10440	—	269.063	269.063	0.01012	0.00380	0.03585	270.484
2028	0.39395	0.36951	1.14955	1.79188	0.00311	0.03782	0.05560	0.09342	0.03484	0.01339	0.04823	—	334.316	334.316	0.01142	0.00740	0.08025	336.888
2029	0.28679	0.28666	0.00467	0.00792	0.00001	0.00007	0.00044	0.00051	0.00007	0.00010	0.00017	—	1.06989	1.06989	0.00003	0.00002	0.00047	1.07719

2.4. 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.	7.55692	7.27421	3.44089	30.6789	0.06732	0.10190	5.51671	5.61861	0.09857	1.39789	1.49646	47.6189	8,346.18	8,393.80	5.13026	0.29602	19.3321	8,629.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.77089	6.50973	3.61360	20.5273	0.06158	0.09982	5.51671	5.61653	0.09702	1.39789	1.49490	47.6189	7,773.81	7,821.43	5.14035	0.30527	1.57596	8,042.48
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.92531	6.65572	3.63490	23.9064	0.06163	0.09978	5.38877	5.48855	0.09679	1.36548	1.46227	47.6189	7,773.92	7,821.53	5.13887	0.30307	8.79873	8,049.12
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.26387	1.21467	0.66337	4.36292	0.01125	0.01821	0.98345	1.00166	0.01766	0.24920	0.26686	7.88385	1,287.06	1,294.94	0.85080	0.05018	1.45673	1,332.62

2.5. 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	3.49772	3.27481	2.75063	25.9134	0.06299	0.04742	5.51671	5.56413	0.04462	1.39789	1.44250	—	6,413.22	6,413.22	0.21252	0.27015	18.2288	6,517.27
Area	3.98339	3.96150	0.04244	4.48981	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	—	11.9833	11.9833	0.00050	0.00010	—	12.0254
Energy	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	1,731.74	1,731.74	0.12919	0.00839	—	1,737.47
Water	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Waste	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	7.55692	7.27421	3.44089	30.6789	0.06732	0.10190	5.51671	5.61861	0.09857	1.39789	1.49646	47.6189	8,346.18	8,393.80	5.13026	0.29602	19.3321	8,629.60

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.12422	2.90096	2.96578	20.2516	0.05745	0.04744	5.51671	5.56416	0.04464	1.39789	1.44252	—	5,852.84	5,852.84	0.22311	0.27950	0.47266	5,942.18
Area	3.57087	3.57087	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	1,731.74	1,731.74	0.12919	0.00839	—	1,737.47
Water	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Waste	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	6.77089	6.50973	3.61360	20.5273	0.06158	0.09982	5.51671	5.61653	0.09702	1.39789	1.49490	47.6189	7,773.81	7,821.43	5.14035	0.30527	1.57596	8,042.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.07520	2.85431	2.96616	21.4166	0.05740	0.04637	5.38877	5.43514	0.04363	1.36548	1.40911	—	5,847.03	5,847.03	0.22138	0.27726	7.69543	5,942.89
Area	3.77430	3.76351	0.02093	2.21415	0.00010	0.00103	—	0.00103	0.00078	—	0.00078	—	5.90957	5.90957	0.00025	0.00005	—	5.93036
Energy	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	1,731.74	1,731.74	0.12919	0.00839	—	1,737.47
Water	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Waste	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	6.92531	6.65572	3.63490	23.9064	0.06163	0.09978	5.38877	5.48855	0.09679	1.36548	1.46227	47.6189	7,773.92	7,821.53	5.13887	0.30307	8.79873	8,049.12
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.56122	0.52091	0.54132	3.90853	0.01048	0.00846	0.98345	0.99191	0.00796	0.24920	0.25716	—	968.043	968.043	0.03665	0.04590	1.27407	983.912
Area	0.68881	0.68684	0.00382	0.40408	0.00002	0.00019	—	0.00019	0.00014	—	0.00014	—	0.97840	0.97840	0.00004	0.00001	—	0.98184
Energy	0.01383	0.00692	0.11823	0.05031	0.00075	0.00956	—	0.00956	0.00956	—	0.00956	—	286.710	286.710	0.02139	0.00139	—	287.658
Water	—	—	—	—	—	—	—	—	—	—	—	1.08433	31.3292	32.4136	0.11313	0.00288	—	36.0992
Waste	—	—	—	—	—	—	—	—	—	—	—	6.79952	0.00000	6.79952	0.67959	0.00000	—	23.7892
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18267	0.18267
Total	1.26387	1.21467	0.66337	4.36292	0.01125	0.01821	0.98345	1.00166	0.01766	0.24920	0.26686	7.88385	1,287.06	1,294.94	0.85080	0.05018	1.45673	1,332.62

2.6. 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	3.49772	3.27481	2.75063	25.9134	0.06299	0.04742	5.51671	5.56413	0.04462	1.39789	1.44250	—	6,413.22	6,413.22	0.21252	0.27015	18.2288	6,517.27
Area	3.98339	3.96150	0.04244	4.48981	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	—	11.9833	11.9833	0.00050	0.00010	—	12.0254
Energy	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	1,731.74	1,731.74	0.12919	0.00839	—	1,737.47
Water	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Waste	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	7.55692	7.27421	3.44089	30.6789	0.06732	0.10190	5.51671	5.61861	0.09857	1.39789	1.49646	47.6189	8,346.18	8,393.80	5.13026	0.29602	19.3321	8,629.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.12422	2.90096	2.96578	20.2516	0.05745	0.04744	5.51671	5.56416	0.04464	1.39789	1.44252	—	5,852.84	5,852.84	0.22311	0.27950	0.47266	5,942.18
Area	3.57087	3.57087	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	1,731.74	1,731.74	0.12919	0.00839	—	1,737.47
Water	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Waste	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	6.77089	6.50973	3.61360	20.5273	0.06158	0.09982	5.51671	5.61653	0.09702	1.39789	1.49490	47.6189	7,773.81	7,821.43	5.14035	0.30527	1.57596	8,042.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.07520	2.85431	2.96616	21.4166	0.05740	0.04637	5.38877	5.43514	0.04363	1.36548	1.40911	—	5,847.03	5,847.03	0.22138	0.27726	7.69543	5,942.89
Area	3.77430	3.76351	0.02093	2.21415	0.00010	0.00103	—	0.00103	0.00078	—	0.00078	—	5.90957	5.90957	0.00025	0.00005	—	5.93036
Energy	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	1,731.74	1,731.74	0.12919	0.00839	—	1,737.47
Water	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Waste	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331

Total	6.92531	6.65572	3.63490	23.9064	0.06163	0.09978	5.38877	5.48855	0.09679	1.36548	1.46227	47.6189	7,773.92	7,821.53	5.13887	0.30307	8.79873	8,049.12
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.56122	0.52091	0.54132	3.90853	0.01048	0.00846	0.98345	0.99191	0.00796	0.24920	0.25716	—	968.043	968.043	0.03665	0.04590	1.27407	983.912
Area	0.68881	0.68684	0.00382	0.40408	0.00002	0.00019	—	0.00019	0.00014	—	0.00014	—	0.97840	0.97840	0.00004	0.00001	—	0.98184
Energy	0.01383	0.00692	0.11823	0.05031	0.00075	0.00956	—	0.00956	0.00956	—	0.00956	—	286.710	286.710	0.02139	0.00139	—	287.658
Water	—	—	—	—	—	—	—	—	—	—	—	1.08433	31.3292	32.4136	0.11313	0.00288	—	36.0992
Waste	—	—	—	—	—	—	—	—	—	—	—	6.79952	0.00000	6.79952	0.67959	0.00000	—	23.7892
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18267	0.18267
Total	1.26387	1.21467	0.66337	4.36292	0.01125	0.01821	0.98345	1.00166	0.01766	0.24920	0.26686	7.88385	1,287.06	1,294.94	0.85080	0.05018	1.45673	1,332.62

3. Construction Emissions Details

3.1. Site Preparation (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	—	1.17173	1.07799	—	1.07799	—	5,297.82	5,297.82	0.21490	0.04298	—	5,316.00
Dust From Material Movement	—	—	—	—	—	—	19.6570	19.6570	—	10.1024	10.1024	—	—	—	—	—	—	—
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	0.31840	0.26755	2.45238	2.47929	0.00429	0.10273	—	0.10273	0.09451	—	0.09451	—	464.466	464.466	0.01884	0.00377	—	466.060
Dust From Material Movement	—	—	—	—	—	—	1.72335	1.72335	—	0.88569	0.88569	—	—	—	—	—	—	—
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	0.05811	0.04883	0.44756	0.45247	0.00078	0.01875	—	0.01875	0.01725	—	0.01725	—	76.8977	76.8977	0.00312	0.00062	—	77.1616
Dust From Material Movement	—	—	—	—	—	—	0.31451	0.31451	—	0.16164	0.16164	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08777	0.07948	0.06906	1.24809	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	245.899	245.899	0.00270	0.00829	0.76549	249.204
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	0.00702	0.00626	0.00737	0.08219	0.00000	0.00000	0.02004	0.02004	0.00000	0.00470	0.00470	—	19.6551	19.6551	0.00030	0.00076	0.02899	19.9185

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	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	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00128	0.00114	0.00135	0.01500	0.00000	0.00000	0.00366	0.00366	0.00000	0.00086	0.00086	—	3.25413	3.25413	0.00005	0.00013	0.00480	3.29774	
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. Site Preparation (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	—	1.17173	1.07799	—	1.07799	—	5,297.82	5,297.82	0.21490	0.04298	—	5,316.00
Dust From Material Movement	—	—	—	—	—	—	5.11082	5.11082	—	2.62664	2.62664	—	—	—	—	—	—	—
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	0.31840	0.26755	2.45238	2.47929	0.00429	0.10273	—	0.10273	0.09451	—	0.09451	—	464.466	464.466	0.01884	0.00377	—	466.060

Dust From Material Movement	—	—	—	—	—	—	0.44807	0.44807	—	0.23028	0.23028	—	—	—	—	—	—	—
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	0.05811	0.04883	0.44756	0.45247	0.00078	0.01875	—	0.01875	0.01725	—	0.01725	—	76.8977	76.8977	0.00312	0.00062	—	77.1616
Dust From Material Movement	—	—	—	—	—	—	0.08177	0.08177	—	0.04203	0.04203	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08777	0.07948	0.06906	1.24809	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	245.899	245.899	0.00270	0.00829	0.76549	249.204
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	0.00702	0.00626	0.00737	0.08219	0.00000	0.00000	0.02004	0.02004	0.00000	0.00470	0.00470	—	19.6551	19.6551	0.00030	0.00076	0.02899	19.9185
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	0.00128	0.00114	0.00135	0.01500	0.00000	0.00000	0.00366	0.00366	0.00000	0.00086	0.00086	—	3.25413	3.25413	0.00005	0.00013	0.00480	3.29774

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	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	0.00000

3.3. Grading (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	—	1.04307	0.95962	—	0.95962	—	6,598.08	6,598.08	0.26765	0.05353	—	6,620.72
Dust From Material Movement	—	—	—	—	—	—	9.20359	9.20359	—	3.65375	3.65375	—	—	—	—	—	—	—
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	0.28811	0.24209	2.10247	2.24233	0.00501	0.08573	—	0.08573	0.07887	—	0.07887	—	542.308	542.308	0.02200	0.00440	—	544.169
Dust From Material Movement	—	—	—	—	—	—	0.75646	0.75646	—	0.30031	0.30031	—	—	—	—	—	—	—
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	0.05258	0.04418	0.38370	0.40922	0.00091	0.01565	—	0.01565	0.01439	—	0.01439	—	89.7852	89.7852	0.00364	0.00073	—	90.0934
Dust From Material Movement	—	—	—	—	—	—	0.13805	0.13805	—	0.05481	0.05481	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10031	0.09083	0.07893	1.42639	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	281.027	281.027	0.00309	0.00948	0.87485	284.804
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	0.00752	0.00670	0.00790	0.08806	0.00000	0.00000	0.02147	0.02147	0.00000	0.00503	0.00503	—	21.0590	21.0590	0.00033	0.00082	0.03106	21.3413
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	0.00137	0.00122	0.00144	0.01607	0.00000	0.00000	0.00392	0.00392	0.00000	0.00092	0.00092	—	3.48656	3.48656	0.00005	0.00014	0.00514	3.53329
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

3.4. Grading (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	—	1.04307	0.95962	—	0.95962	—	6,598.08	6,598.08	0.26765	0.05353	—	6,620.72
Dust From Material Movement	—	—	—	—	—	—	2.39293	2.39293	—	0.94998	0.94998	—	—	—	—	—	—	—
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	0.28811	0.24209	2.10247	2.24233	0.00501	0.08573	—	0.08573	0.07887	—	0.07887	—	542.308	542.308	0.02200	0.00440	—	544.169
Dust From Material Movement	—	—	—	—	—	—	0.19668	0.19668	—	0.07808	0.07808	—	—	—	—	—	—	—
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	0.05258	0.04418	0.38370	0.40922	0.00091	0.01565	—	0.01565	0.01439	—	0.01439	—	89.7852	89.7852	0.00364	0.00073	—	90.0934

Dust From Material Movement	—	—	—	—	—	—	0.03589	0.03589	—	0.01425	0.01425	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10031	0.09083	0.07893	1.42639	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	281.027	281.027	0.00309	0.00948	0.87485	284.804
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	0.00752	0.00670	0.00790	0.08806	0.00000	0.00000	0.02147	0.02147	0.00000	0.00503	0.00503	—	21.0590	21.0590	0.00033	0.00082	0.03106	21.3413
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	0.00137	0.00122	0.00144	0.01607	0.00000	0.00000	0.00392	0.00392	0.00000	0.00092	0.00092	—	3.48656	3.48656	0.00005	0.00014	0.00514	3.53329
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. Building Construction (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
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	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
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	0.23363	0.19550	1.78262	2.45593	0.00444	0.06389	—	0.06389	0.05878	—	0.05878	—	455.023	455.023	0.01846	0.00369	—	456.584
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	0.04264	0.03568	0.32533	0.44821	0.00081	0.01166	—	0.01166	0.01073	—	0.01073	—	75.3342	75.3342	0.00306	0.00061	—	75.5927
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.14806	0.13407	0.11649	2.10535	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	414.796	414.796	0.00456	0.01399	1.29128	420.371
Vendor	0.01167	0.00854	0.26449	0.11012	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	267.790	267.790	0.00058	0.03525	0.61731	278.926
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	0.13504	0.12040	0.12984	1.41322	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	367.382	367.382	0.00586	0.01464	0.03340	371.925
Vendor	0.01051	0.00758	0.27894	0.11437	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	268.090	268.090	0.00058	0.03544	0.01601	278.683
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	0.02563	0.02285	0.02693	0.30020	0.00000	0.00000	0.07318	0.07318	0.00000	0.01715	0.01715	—	71.7873	71.7873	0.00111	0.00278	0.10589	72.7493
Vendor	0.00207	0.00151	0.05296	0.02142	0.00041	0.00075	0.01423	0.01497	0.00075	0.00393	0.00468	—	50.8569	50.8569	0.00011	0.00673	0.05056	52.9152
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	0.00468	0.00417	0.00491	0.05479	0.00000	0.00000	0.01336	0.01336	0.00000	0.00313	0.00313	—	11.8852	11.8852	0.00018	0.00046	0.01753	12.0445
Vendor	0.00038	0.00028	0.00967	0.00391	0.00007	0.00014	0.00260	0.00273	0.00014	0.00072	0.00085	—	8.41995	8.41995	0.00002	0.00111	0.00837	8.76071
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. Building Construction (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30

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	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30	
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	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23363	0.19550	1.78262	2.45593	0.00444	0.06389	—	0.06389	0.05878	—	0.05878	—	455.023	455.023	0.01846	0.00369	—	456.584	
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	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04264	0.03568	0.32533	0.44821	0.00081	0.01166	—	0.01166	0.01073	—	0.01073	—	75.3342	75.3342	0.00306	0.00061	—	75.5927	
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	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14806	0.13407	0.11649	2.10535	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	414.796	414.796	0.00456	0.01399	1.29128	420.371	
Vendor	0.01167	0.00854	0.26449	0.11012	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	267.790	267.790	0.00058	0.03525	0.61731	278.926	
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	0.13504	0.12040	0.12984	1.41322	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	367.382	367.382	0.00586	0.01464	0.03340	371.925
Vendor	0.01051	0.00758	0.27894	0.11437	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	268.090	268.090	0.00058	0.03544	0.01601	278.683
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	0.02563	0.02285	0.02693	0.30020	0.00000	0.00000	0.07318	0.07318	0.00000	0.01715	0.01715	—	71.7873	71.7873	0.00111	0.00278	0.10589	72.7493
Vendor	0.00207	0.00151	0.05296	0.02142	0.00041	0.00075	0.01423	0.01497	0.00075	0.00393	0.00468	—	50.8569	50.8569	0.00011	0.00673	0.05056	52.9152
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	0.00468	0.00417	0.00491	0.05479	0.00000	0.00000	0.01336	0.01336	0.00000	0.00313	0.00313	—	11.8852	11.8852	0.00018	0.00046	0.01753	12.0445
Vendor	0.00038	0.00028	0.00967	0.00391	0.00007	0.00014	0.00260	0.00273	0.00014	0.00072	0.00085	—	8.41995	8.41995	0.00002	0.00111	0.00837	8.76071
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

3.7. Building Construction (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
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	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
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	0.75123	0.62862	5.65887	8.20161	0.01484	0.19037	—	0.19037	0.17514	—	0.17514	—	1,520.11	1,520.11	0.06166	0.01233	—	1,525.33
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	0.13710	0.11472	1.03274	1.49679	0.00271	0.03474	—	0.03474	0.03196	—	0.03196	—	251.672	251.672	0.01021	0.00204	—	252.535
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14350	0.12951	0.10315	1.95860	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	406.923	406.923	0.00456	0.01399	1.16215	412.369
Vendor	0.01129	0.00835	0.25563	0.10540	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	260.871	260.871	0.00058	0.03525	0.54684	271.936
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	0.11780	0.11519	0.11649	1.31202	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	360.490	360.490	0.00521	0.01399	0.03013	364.820
Vendor	0.01032	0.00758	0.27009	0.10729	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	261.172	261.172	0.00058	0.03525	0.01418	271.705
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	0.07551	0.07386	0.08191	0.93010	0.00000	0.00000	0.24443	0.24443	0.00000	0.05729	0.05729	—	235.276	235.276	0.00330	0.00887	0.31876	238.321
Vendor	0.00691	0.00505	0.17017	0.06705	0.00137	0.00250	0.04752	0.05002	0.00250	0.01313	0.01563	—	165.486	165.486	0.00037	0.02235	0.14941	172.305
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	0.01378	0.01348	0.01495	0.16974	0.00000	0.00000	0.04461	0.04461	0.00000	0.01046	0.01046	—	38.9527	38.9527	0.00055	0.00147	0.05277	39.4568
Vendor	0.00126	0.00092	0.03106	0.01224	0.00025	0.00046	0.00867	0.00913	0.00046	0.00240	0.00285	—	27.3982	27.3982	0.00006	0.00370	0.02474	28.5271
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

3.8. Building Construction (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
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	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
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	0.75123	0.62862	5.65887	8.20161	0.01484	0.19037	—	0.19037	0.17514	—	0.17514	—	1,520.11	1,520.11	0.06166	0.01233	—	1,525.33
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	0.13710	0.11472	1.03274	1.49679	0.00271	0.03474	—	0.03474	0.03196	—	0.03196	—	251.672	251.672	0.01021	0.00204	—	252.535
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14350	0.12951	0.10315	1.95860	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	406.923	406.923	0.00456	0.01399	1.16215	412.369
Vendor	0.01129	0.00835	0.25563	0.10540	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	260.871	260.871	0.00058	0.03525	0.54684	271.936
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	0.11780	0.11519	0.11649	1.31202	0.00000	0.00000	0.38585	0.38585	0.00000	0.09044	0.09044	—	360.490	360.490	0.00521	0.01399	0.03013	364.820
Vendor	0.01032	0.00758	0.27009	0.10729	0.00216	0.00394	0.07500	0.07894	0.00394	0.02072	0.02466	—	261.172	261.172	0.00058	0.03525	0.01418	271.705
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	0.07551	0.07386	0.08191	0.93010	0.00000	0.00000	0.24443	0.24443	0.00000	0.05729	0.05729	—	235.276	235.276	0.00330	0.00887	0.31876	238.321
Vendor	0.00691	0.00505	0.17017	0.06705	0.00137	0.00250	0.04752	0.05002	0.00250	0.01313	0.01563	—	165.486	165.486	0.00037	0.02235	0.14941	172.305
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	0.01378	0.01348	0.01495	0.16974	0.00000	0.00000	0.04461	0.04461	0.00000	0.01046	0.01046	—	38.9527	38.9527	0.00055	0.00147	0.05277	39.4568
Vendor	0.00126	0.00092	0.03106	0.01224	0.00025	0.00046	0.00867	0.00913	0.00046	0.00240	0.00285	—	27.3982	27.3982	0.00006	0.00370	0.02474	28.5271
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

3.9. Paving (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81550	0.68524	6.62754	9.90989	0.01395	0.25554	—	0.25554	0.23510	—	0.23510	—	1,511.03	1,511.03	0.06129	0.01226	—	1,516.22
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	0.04468	0.03755	0.36315	0.54301	0.00076	0.01400	—	0.01400	0.01288	—	0.01288	—	82.7962	82.7962	0.00336	0.00067	—	83.0803
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	0.00815	0.00685	0.06628	0.09910	0.00014	0.00256	—	0.00256	0.00235	—	0.00235	—	13.7079	13.7079	0.00056	0.00011	—	13.7549
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05986	0.05853	0.05919	0.66668	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	183.176	183.176	0.00265	0.00711	0.01531	185.376
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	0.00332	0.00324	0.00360	0.04084	0.00000	0.00000	0.01073	0.01073	0.00000	0.00252	0.00252	—	10.3316	10.3316	0.00014	0.00039	0.01400	10.4653
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	0.00061	0.00059	0.00066	0.00745	0.00000	0.00000	0.00196	0.00196	0.00000	0.00046	0.00046	—	1.71051	1.71051	0.00002	0.00006	0.00232	1.73265
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

3.10. Paving (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81550	0.68524	6.62754	9.90989	0.01395	0.25554	—	0.25554	0.23510	—	0.23510	—	1,511.03	1,511.03	0.06129	0.01226	—	1,516.22
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	0.04468	0.03755	0.36315	0.54301	0.00076	0.01400	—	0.01400	0.01288	—	0.01288	—	82.7962	82.7962	0.00336	0.00067	—	83.0803
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	0.00815	0.00685	0.06628	0.09910	0.00014	0.00256	—	0.00256	0.00235	—	0.00235	—	13.7079	13.7079	0.00056	0.00011	—	13.7549
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05986	0.05853	0.05919	0.66668	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	183.176	183.176	0.00265	0.00711	0.01531	185.376
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	0.00332	0.00324	0.00360	0.04084	0.00000	0.00000	0.01073	0.01073	0.00000	0.00252	0.00252	—	10.3316	10.3316	0.00014	0.00039	0.01400	10.4653
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	0.00061	0.00059	0.00066	0.00745	0.00000	0.00000	0.00196	0.00196	0.00000	0.00046	0.00046	—	1.71051	1.71051	0.00002	0.00006	0.00232	1.73265
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

3.11. Architectural Coating (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Coating	50.0411	50.0411	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00330	0.00273	0.02056	0.02845	0.00004	0.00039	—	0.00039	0.00036	—	0.00036	—	3.39671	3.39671	0.00014	0.00003	—	3.40837
Architectural Coatings	1.27306	1.27306	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00060	0.00050	0.00375	0.00519	0.00001	0.00007	—	0.00007	0.00007	—	0.00007	—	0.56236	0.56236	0.00002	< 0.000005	—	0.56429
Architectural Coatings	0.23233	0.23233	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02356	0.02304	0.02330	0.26240	0.00000	0.00000	0.07717	0.07717	0.00000	0.01809	0.01809	—	72.0980	72.0980	0.00104	0.00280	0.00603	72.9640
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	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00061	0.00059	0.00066	0.00746	0.00000	0.00000	0.00196	0.00196	0.00000	0.00046	0.00046	—	1.88802	1.88802	0.00003	0.00007	0.00256	1.91246	
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	0.00011	0.00011	0.00012	0.00136	0.00000	0.00000	0.00036	0.00036	0.00000	0.00008	0.00008	—	0.31258	0.31258	< 0.000005	0.00001	0.00042	0.31663	
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	

3.12. Architectural Coating (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	50.0411	50.0411	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00330	0.00273	0.02056	0.02845	0.00004	0.00039	—	0.00039	0.00036	—	0.00036	—	3.39671	3.39671	0.00014	0.00003	—	3.40837
Architectural Coatings	1.27306	1.27306	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00060	0.00050	0.00375	0.00519	0.00001	0.00007	—	0.00007	0.00007	—	0.00007	—	0.56236	0.56236	0.00002	< 0.000005	—	0.56429
Architectural Coatings	0.23233	0.23233	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02356	0.02304	0.02330	0.26240	0.00000	0.00000	0.07717	0.07717	0.00000	0.01809	0.01809	—	72.0980	72.0980	0.00104	0.00280	0.00603	72.9640
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	0.00061	0.00059	0.00066	0.00746	0.00000	0.00000	0.00196	0.00196	0.00000	0.00046	0.00046	—	1.88802	1.88802	0.00003	0.00007	0.00256	1.91246

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	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	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00011	0.00012	0.00136	0.00000	0.00000	0.00036	0.00036	0.00000	0.00008	0.00008	—	0.31258	0.31258	< 0.000005	0.00001	0.00042	0.31663	
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	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	0.00000

3.13. Architectural Coating (2029) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	50.0411	50.0411	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00388	0.00320	0.02487	0.03482	0.00005	0.00040	—	0.00040	0.00037	—	0.00037	—	4.18034	4.18034	0.00017	0.00003	—	4.19469

Architect Coatings	1.56684	1.56684	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00071	0.00058	0.00454	0.00636	0.00001	0.00007	—	0.00007	0.00007	—	0.00007	—	0.69210	0.69210	0.00003	0.00001	—	0.69448
Architectural Coatings	0.28595	0.28595	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02239	0.01946	0.02063	0.24457	0.00000	0.00000	0.07717	0.07717	0.00000	0.01809	0.01809	—	70.8074	70.8074	0.00104	0.00280	0.00541	71.6728
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	0.00071	0.00069	0.00073	0.00855	0.00000	0.00000	0.00241	0.00241	0.00000	0.00057	0.00057	—	2.28187	2.28187	0.00003	0.00009	0.00281	2.31161
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	0.00013	0.00013	0.00013	0.00156	0.00000	0.00000	0.00044	0.00044	0.00000	0.00010	0.00010	—	0.37779	0.37779	0.00001	0.00001	0.00047	0.38271
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

3.14. Architectural Coating (2029) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	50.0411	50.0411	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00388	0.00320	0.02487	0.03482	0.00005	0.00040	—	0.00040	0.00037	—	0.00037	—	4.18034	4.18034	0.00017	0.00003	—	4.19469
Architectural Coatings	1.56684	1.56684	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00071	0.00058	0.00454	0.00636	0.00001	0.00007	—	0.00007	0.00007	—	0.00007	—	0.69210	0.69210	0.00003	0.00001	—	0.69448
Architectural Coatings	0.28595	0.28595	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02239	0.01946	0.02063	0.24457	0.00000	0.00000	0.07717	0.07717	0.00000	0.01809	0.01809	—	70.8074	70.8074	0.00104	0.00280	0.00541	71.6728
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	0.00071	0.00069	0.00073	0.00855	0.00000	0.00000	0.00241	0.00241	0.00000	0.00057	0.00057	—	2.28187	2.28187	0.00003	0.00009	0.00281	2.31161
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	0.00013	0.00013	0.00013	0.00156	0.00000	0.00000	0.00044	0.00044	0.00000	0.00010	0.00010	—	0.37779	0.37779	0.00001	0.00001	0.00047	0.38271
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	3.49772	3.27481	2.75063	25.9134	0.06299	0.04742	5.51671	5.56413	0.04462	1.39789	1.44250	—	6,413.22	6,413.22	0.21252	0.27015	18.2288	6,517.27
Total	3.49772	3.27481	2.75063	25.9134	0.06299	0.04742	5.51671	5.56413	0.04462	1.39789	1.44250	—	6,413.22	6,413.22	0.21252	0.27015	18.2288	6,517.27
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.12422	2.90096	2.96578	20.2516	0.05745	0.04744	5.51671	5.56416	0.04464	1.39789	1.44252	—	5,852.84	5,852.84	0.22311	0.27950	0.47266	5,942.18
Total	3.12422	2.90096	2.96578	20.2516	0.05745	0.04744	5.51671	5.56416	0.04464	1.39789	1.44252	—	5,852.84	5,852.84	0.22311	0.27950	0.47266	5,942.18
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.56122	0.52091	0.54132	3.90853	0.01048	0.00846	0.98345	0.99191	0.00796	0.24920	0.25716	—	968.043	968.043	0.03665	0.04590	1.27407	983.912
Total	0.56122	0.52091	0.54132	3.90853	0.01048	0.00846	0.98345	0.99191	0.00796	0.24920	0.25716	—	968.043	968.043	0.03665	0.04590	1.27407	983.912

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	3.49772	3.27481	2.75063	25.9134	0.06299	0.04742	5.51671	5.56413	0.04462	1.39789	1.44250	—	6,413.22	6,413.22	0.21252	0.27015	18.2288	6,517.27
Total	3.49772	3.27481	2.75063	25.9134	0.06299	0.04742	5.51671	5.56413	0.04462	1.39789	1.44250	—	6,413.22	6,413.22	0.21252	0.27015	18.2288	6,517.27
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.12422	2.90096	2.96578	20.2516	0.05745	0.04744	5.51671	5.56416	0.04464	1.39789	1.44252	—	5,852.84	5,852.84	0.22311	0.27950	0.47266	5,942.18
Total	3.12422	2.90096	2.96578	20.2516	0.05745	0.04744	5.51671	5.56416	0.04464	1.39789	1.44252	—	5,852.84	5,852.84	0.22311	0.27950	0.47266	5,942.18
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.56122	0.52091	0.54132	3.90853	0.01048	0.00846	0.98345	0.99191	0.00796	0.24920	0.25716	—	968.043	968.043	0.03665	0.04590	1.27407	983.912
Total	0.56122	0.52091	0.54132	3.90853	0.01048	0.00846	0.98345	0.99191	0.00796	0.24920	0.25716	—	968.043	968.043	0.03665	0.04590	1.27407	983.912

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	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Total	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Total	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	150.571	150.571	0.00934	0.00113	—	151.142
Total	—	—	—	—	—	—	—	—	—	—	—	—	150.571	150.571	0.00934	0.00113	—	151.142

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	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Total	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Total	—	—	—	—	—	—	—	—	—	—	—	—	909.456	909.456	0.05642	0.00684	—	912.904
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	150.571	150.571	0.00934	0.00113	—	151.142
Total	—	—	—	—	—	—	—	—	—	—	—	—	150.571	150.571	0.00934	0.00113	—	151.142

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	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Total	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Total	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01383	0.00692	0.11823	0.05031	0.00075	0.00956	—	0.00956	0.00956	—	0.00956	—	136.139	136.139	0.01205	0.00026	—	136.517
Total	0.01383	0.00692	0.11823	0.05031	0.00075	0.00956	—	0.00956	0.00956	—	0.00956	—	136.139	136.139	0.01205	0.00026	—	136.517

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	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568

Total	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Total	0.07581	0.03790	0.64781	0.27567	0.00413	0.05238	—	0.05238	0.05238	—	0.05238	—	822.287	822.287	0.07277	0.00155	—	824.568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01383	0.00692	0.11823	0.05031	0.00075	0.00956	—	0.00956	0.00956	—	0.00956	—	136.139	136.139	0.01205	0.00026	—	136.517
Total	0.01383	0.00692	0.11823	0.05031	0.00075	0.00956	—	0.00956	0.00956	—	0.00956	—	136.139	136.139	0.01205	0.00026	—	136.517

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.29667	3.29667	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27420	0.27420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.41252	0.39063	0.04244	4.48981	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	—	11.9833	11.9833	0.00050	0.00010	—	12.0254
Total	3.98339	3.96150	0.04244	4.48981	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	—	11.9833	11.9833	0.00050	0.00010	—	12.0254

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.29667	3.29667	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27420	0.27420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.57087	3.57087	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.60164	0.60164	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05004	0.05004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03713	0.03516	0.00382	0.40408	0.00002	0.00019	—	0.00019	0.00014	—	0.00014	—	0.97840	0.97840	0.00004	0.00001	—	0.98184
Total	0.68881	0.68684	0.00382	0.40408	0.00002	0.00019	—	0.00019	0.00014	—	0.00014	—	0.97840	0.97840	0.00004	0.00001	—	0.98184

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	3.29667	3.29667	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27420	0.27420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.41252	0.39063	0.04244	4.48981	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	—	11.9833	11.9833	0.00050	0.00010	—	12.0254
Total	3.98339	3.96150	0.04244	4.48981	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	—	11.9833	11.9833	0.00050	0.00010	—	12.0254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.29667	3.29667	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27420	0.27420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.57087	3.57087	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.60164	0.60164	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05004	0.05004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03713	0.03516	0.00382	0.40408	0.00002	0.00019	—	0.00019	0.00014	—	0.00014	—	0.97840	0.97840	0.00004	0.00001	—	0.98184

Total	0.68881	0.68684	0.00382	0.40408	0.00002	0.00019	—	0.00019	0.00014	—	0.00014	—	0.97840	0.97840	0.00004	0.00001	—	0.98184
-------	---------	---------	---------	---------	---------	---------	---	---------	---------	---	---------	---	---------	---------	---------	---------	---	---------

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	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Total	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Total	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.08433	31.3292	32.4136	0.11313	0.00288	—	36.0992
Total	—	—	—	—	—	—	—	—	—	—	—	1.08433	31.3292	32.4136	0.11313	0.00288	—	36.0992

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	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Total	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Total	—	—	—	—	—	—	—	—	—	—	—	6.54942	189.230	195.780	0.68331	0.01738	—	218.041
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.08433	31.3292	32.4136	0.11313	0.00288	—	36.0992
Total	—	—	—	—	—	—	—	—	—	—	—	1.08433	31.3292	32.4136	0.11313	0.00288	—	36.0992

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	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688	
Total	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688	

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Total	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.79952	0.00000	6.79952	0.67959	0.00000	—	23.7892
Total	—	—	—	—	—	—	—	—	—	—	—	6.79952	0.00000	6.79952	0.67959	0.00000	—	23.7892

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	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Total	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Total	—	—	—	—	—	—	—	—	—	—	—	41.0695	0.00000	41.0695	4.10475	0.00000	—	143.688
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	6.79952	0.00000	6.79952	0.67959	0.00000	—	23.7892
Total	—	—	—	—	—	—	—	—	—	—	—	—	6.79952	0.00000	6.79952	0.67959	0.00000	—	23.7892

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18267	0.18267
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18267	0.18267

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10331	1.10331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18267	0.18267
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18267	0.18267

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)

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. 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)

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/1/2027	8/13/2027	5.00000	32.0000	—
Grading	Grading	8/14/2027	9/25/2027	5.00000	30.0000	—
Building Construction	Building Construction	9/26/2027	11/19/2028	5.00000	300.000	—
Paving	Paving	11/20/2028	12/18/2028	5.00000	20.0000	—
Architectural Coating	Architectural Coating	12/19/2028	1/16/2029	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
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	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000

Grading	Tractors/Loaders/Back	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	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	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
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	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
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	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	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	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000

Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
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	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	29.5200	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	8.76580	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	5.90400	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT

Architectural Coating	Onsite truck	—	—	HHDT
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5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	29.5200	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	8.76580	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	5.90400	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	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	323,798	107,933	0.00000	0.00000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	48.0000	0.00000	0.00000
Grading	—	—	90.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.90358

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	0.90358	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	531.983	0.03300	0.00400
2028	0.00000	531.983	0.03300	0.00400
2029	0.00000	531.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	745.760	753.660	675.450	268,948	7,739.01	7,820.99	7,009.38	2,790,967

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	745.760	753.660	675.450	268,948	7,739.01	7,820.99	7,009.38	2,790,967

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	0	0
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	0	0
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	0	0
Single Family Housing	Non-Catalytic Wood Stoves	0	0
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)
323,798	107,933	0.00000	0.00000	—

5.10.3. Landscape Equipment

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

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)	CO ₂	CH ₄	N ₂ O	Natural Gas (kBTU/yr)
Single Family Housing	623,989	531.983	0.0330	0.0040	2,565,757

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO ₂	CH ₄	N ₂ O	Natural Gas (kBTU/yr)
Single Family Housing	623,989	531.983	0.0330	0.0040	2,565,757

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	3,417,856	25,988,168

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	3,417,856	25,988,168

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	76.2044	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	76.2044	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 Served
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	1.00000

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

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	31.0300	annual days of extreme heat
Extreme Precipitation	1.000000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ 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	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	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	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	1	1	1	2
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	84.6297
AQ-PM	6.96951
AQ-DPM	3.23584
Drinking Water	60.2972
Lead Risk Housing	43.2640
Pesticides	43.4828
Toxic Releases	26.0440
Traffic	5.26250
Effect Indicators	—
CleanUp Sites	88.2792
Groundwater	71.8081

Haz Waste Facilities/Generators	94.4408
Impaired Water Bodies	51.2180
Solid Waste	72.3940
Sensitive Population	—
Asthma	88.0608
Cardio-vascular	99.6386
Low Birth Weights	64.1776
Socioeconomic Factor Indicators	—
Education	84.8393
Housing	77.5792
Linguistic	69.7929
Poverty	93.1784
Unemployment	88.6778

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	5.838573078
Employed	0.179648402
Median HI	1.424355191
Education	—
Bachelor's or higher	10.07314256
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	34.2871808
Active commuting	2.399589375

Social	—
2-parent households	21.86577698
Voting	16.77146157
Neighborhood	—
Alcohol availability	93.53265751
Park access	6.877967407
Retail density	4.504042089
Supermarket access	2.399589375
Tree canopy	0.089824201
Housing	—
Homeownership	43.48774541
Housing habitability	26.22866675
Low-inc homeowner severe housing cost burden	67.79160785
Low-inc renter severe housing cost burden	0.295136661
Uncrowded housing	44.92493263
Health Outcomes	—
Insured adults	12.17759528
Arthritis	2.7
Asthma ER Admissions	7.4
High Blood Pressure	6.0
Cancer (excluding skin)	32.7
Asthma	1.7
Coronary Heart Disease	2.7
Chronic Obstructive Pulmonary Disease	0.4
Diagnosed Diabetes	6.3
Life Expectancy at Birth	15.8
Cognitively Disabled	24.2
Physically Disabled	71.5

Heart Attack ER Admissions	1.0
Mental Health Not Good	3.8
Chronic Kidney Disease	5.2
Obesity	15.0
Pedestrian Injuries	19.6
Physical Health Not Good	2.6
Stroke	3.3
Health Risk Behaviors	—
Binge Drinking	73.8
Current Smoker	0.7
No Leisure Time for Physical Activity	11.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	19.0
Elderly	85.6
English Speaking	37.4
Foreign-born	40.5
Outdoor Workers	7.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.7
Traffic Density	5.6
Traffic Access	23.0
Other Indices	—
Hardship	87.5
Other Decision Support	—
2016 Voting	26.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	89.0000
Healthy Places Index Score for Project Location (b)	1.000000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
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 Size
Construction: Construction Phases	Vacant Site.
Operations: Hearths	No hearths

8.3. Land Use

Model Parameter	Units	Default Value	New Value
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Lot Area	acre	25.6494	15.3000
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8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	7/30/2027	7/1/2027
Site Preparation	Site Preparation	Work Days per Phase	10.00000	32.0000