APPENDIX A

California Emissions Estimator Model (CalEEMod) Detailed Report Output

CSUB Solar and Battery Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CSUB Solar and Battery
Construction Start Date	10/5/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.348762526505865, -119.09827131301917
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2809
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	15.0000	Acre	15.0000	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-9	Use Dust Suppressants

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	1.06174	0.89795	8.35987	12.6016	0.02285	0.26147	0.39661	0.65808	0.24066	0.06080	0.30146	—	2,553.77	2,553.77	0.09813	0.03768	0.61435	2,568.06
Mit.	1.06174	0.89795	8.35987	12.6016	0.02285	0.26147	0.18929	0.45075	0.24066	0.04011	0.28077	—	2,553.77	2,553.77	0.09813	0.03768	0.61435	2,568.06
% Reduced	—	—	—	—	—	—	52%	32%	—	34%	7%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.09335	1.76261	14.7294	17.5527	0.02945	0.66334	11.2391	11.7708	0.61059	2.25653	2.74743	—	3,641.16	3,641.16	0.12469	0.21316	0.08732	3,707.50
Mit.	2.09335	1.76261	14.7294	17.5527	0.02945	0.66334	11.0318	11.5634	0.61059	2.23584	2.72674	—	3,641.16	3,641.16	0.12469	0.21316	0.08732	3,707.50
% Reduced	—	—	—	—	—	—	2%	2%	—	1%	1%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27488	0.23220	2.20073	3.29106	0.00605	0.06863	0.25332	0.30450	0.06318	0.07325	0.12039	—	676.434	676.434	0.02611	0.01048	0.07472	680.283
Mit.	0.27488	0.23220	2.20073	3.29106	0.00605	0.06863	0.24522	0.29640	0.06318	0.07244	0.11958	—	676.434	676.434	0.02611	0.01048	0.07472	680.283

% Reduced	—	—	—	—	—	—	3%	3%	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05017	0.04238	0.40163	0.60062	0.00111	0.01253	0.04623	0.05557	0.01153	0.01337	0.02197	—	111.991	111.991	0.00432	0.00174	0.01237	112.629
Mit.	0.05017	0.04238	0.40163	0.60062	0.00111	0.01253	0.04475	0.05409	0.01153	0.01322	0.02182	—	111.991	111.991	0.00432	0.00174	0.01237	112.629
% Reduced	—	—	—	—	—	—	3%	3%	—	1%	1%	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	10.00000	10.00000	100.0000	27.0000	—	—	15.0000	—	—	15.0000	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.06174	0.89795	8.35987	12.6016	0.02285	0.26147	0.39661	0.65808	0.24066	0.06080	0.30146	—	2,553.77	2,553.77	0.09813	0.03768	0.61435	2,568.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.09335	1.76261	14.7294	17.5527	0.02945	0.66334	11.2391	11.7708	0.61059	2.25653	2.74743	—	3,641.16	3,641.16	0.12469	0.21316	0.08732	3,707.50
2027	1.05499	0.89045	8.58632	13.3593	0.02502	0.26384	0.39661	0.65808	0.24299	0.06080	0.30146	—	2,871.63	2,871.63	0.10863	0.05849	0.02383	2,891.79
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.17267	0.14541	1.38567	1.88597	0.00344	0.05118	0.25332	0.30450	0.04714	0.07325	0.12039	—	400.384	400.384	0.01467	0.01010	0.07472	403.836
2027	0.27488	0.23220	2.20073	3.29106	0.00605	0.06863	0.09455	0.16319	0.06318	0.01512	0.07830	—	676.434	676.434	0.02611	0.01048	0.07337	680.283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03151	0.02654	0.25289	0.34419	0.00063	0.00934	0.04623	0.05557	0.00860	0.01337	0.02197	—	66.2881	66.2881	0.00243	0.00167	0.01237	66.8596
2027	0.05017	0.04238	0.40163	0.60062	0.00111	0.01253	0.01726	0.02978	0.01153	0.00276	0.01429	—	111.991	111.991	0.00432	0.00174	0.01215	112.629

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.99494	0.83339	8.21378	11.8688	0.02220	0.26017	0.24708	0.50725	0.23936	0.02472	0.26407	—	2,331.96	2,331.96	0.09457	0.01967	0.00744	2,340.20
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.00200	1.68213	14.3053	16.7388	0.02663	0.65944	3.00929	3.66873	0.60669	1.36036	1.96705	—	2,885.38	2,885.38	0.11701	0.02418	0.00021	2,895.51
2027	0.99481	0.83330	8.25024	12.7520	0.02339	0.26059	0.24708	0.50725	0.23974	0.02472	0.26407	—	2,532.49	2,532.49	0.10273	0.02055	0.00019	2,541.18
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.16172	0.13589	1.32344	1.78662	0.00313	0.05047	0.12038	0.17086	0.04643	0.05556	0.10199	—	338.871	338.871	0.01374	0.00278	0.00014	340.044
2027	0.25879	0.21684	2.15512	3.13832	0.00586	0.06824	0.05470	0.12294	0.06278	0.00547	0.06825	—	617.404	617.404	0.02504	0.00518	0.00075	619.576
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.02951	0.02480	0.24153	0.32606	0.00057	0.00921	0.02197	0.03118	0.00847	0.01014	0.01861	—	56.1040	56.1040	0.00228	0.00046	0.00002	56.2981
2027	0.04723	0.03957	0.39331	0.57274	0.00107	0.01245	0.00998	0.02244	0.01146	0.00100	0.01246	—	102.218	102.218	0.00415	0.00086	0.00012	102.578

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.06679	0.06456	0.14609	0.73288	0.00065	0.00130	0.14953	0.15083	0.00130	0.03609	0.03739	—	221.801	221.801	0.00356	0.01801	0.60691	227.863
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11885	0.09287	1.53189	1.01189	0.00806	0.02246	8.43314	8.45560	0.02246	0.91796	0.94042	—	1,323.87	1,323.87	0.01502	0.19359	0.08712	1,382.02
2027	0.06681	0.06188	0.33608	0.60730	0.00162	0.00325	0.18662	0.18987	0.00325	0.04633	0.04958	—	339.137	339.137	0.00590	0.03794	0.02383	350.614
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01094	0.00952	0.06224	0.09935	0.00031	0.00071	0.13294	0.13364	0.00071	0.01769	0.01840	—	61.5126	61.5126	0.00093	0.00732	0.07458	63.7923
2027	0.01610	0.01536	0.04562	0.15274	0.00020	0.00040	0.03985	0.04025	0.00040	0.00965	0.01005	—	59.0294	59.0294	0.00107	0.00530	0.07262	60.7073
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00200	0.00174	0.01136	0.01813	0.00006	0.00013	0.02426	0.02439	0.00013	0.00323	0.00336	—	10.1841	10.1841	0.00015	0.00121	0.01235	10.5616
2027	0.00294	0.00280	0.00832	0.02787	0.00004	0.00007	0.00727	0.00734	0.00007	0.00176	0.00183	—	9.77299	9.77299	0.00018	0.00088	0.01202	10.0508

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.06174	0.89795	8.35987	12.6016	0.02285	0.26147	0.18929	0.45075	0.24066	0.04011	0.28077	—	2,553.77	2,553.77	0.09813	0.03768	0.61435	2,568.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.09335	1.76261	14.7294	17.5527	0.02945	0.66334	11.0318	11.5634	0.61059	2.23584	2.72674	—	3,641.16	3,641.16	0.12469	0.21316	0.08732	3,707.50
2027	1.05499	0.89045	8.58632	13.3593	0.02502	0.26384	0.18929	0.45075	0.24299	0.04633	0.28933	—	2,871.63	2,871.63	0.10863	0.05849	0.02383	2,891.79
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.17267	0.14541	1.38567	1.88597	0.00344	0.05118	0.24522	0.29640	0.04714	0.07244	0.11958	—	400.384	400.384	0.01467	0.01010	0.07472	403.836
2027	0.27488	0.23220	2.20073	3.29106	0.00605	0.06863	0.04865	0.11729	0.06318	0.01054	0.07372	—	676.434	676.434	0.02611	0.01048	0.07337	680.283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03151	0.02654	0.25289	0.34419	0.00063	0.00934	0.04475	0.05409	0.00860	0.01322	0.02182	—	66.2881	66.2881	0.00243	0.00167	0.01237	66.8596
2027	0.05017	0.04238	0.40163	0.60062	0.00111	0.01253	0.00888	0.02140	0.01153	0.00192	0.01345	—	111.991	111.991	0.00432	0.00174	0.01215	112.629

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.99494	0.83339	8.21378	11.8688	0.02220	0.26017	0.03976	0.29992	0.23936	0.00403	0.24339	—	2,331.96	2,331.96	0.09457	0.01967	0.00744	2,340.20
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.00200	1.68213	14.3053	16.7388	0.02663	0.65944	2.80196	3.46140	0.60669	1.33968	1.94637	—	2,885.38	2,885.38	0.11701	0.02418	0.00021	2,895.51
2027	0.99481	0.83330	8.25024	12.7520	0.02339	0.26059	0.03976	0.29992	0.23974	0.00403	0.24339	—	2,532.49	2,532.49	0.10273	0.02055	0.00019	2,541.18
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.16172	0.13589	1.32344	1.78662	0.00313	0.05047	0.11228	0.16276	0.04643	0.05475	0.10118	—	338.871	338.871	0.01374	0.00278	0.00014	340.044
2027	0.25879	0.21684	2.15512	3.13832	0.00586	0.06824	0.00880	0.07704	0.06278	0.00089	0.06367	—	617.404	617.404	0.02504	0.00518	0.00075	619.576
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.02951	0.02480	0.24153	0.32606	0.00057	0.00921	0.02049	0.02970	0.00847	0.00999	0.01847	—	56.1040	56.1040	0.00228	0.00046	0.00002	56.2981
2027	0.04723	0.03957	0.39331	0.57274	0.00107	0.01245	0.00161	0.01406	0.01146	0.00016	0.01162	—	102.218	102.218	0.00415	0.00086	0.00012	102.578

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.06679	0.06456	0.14609	0.73288	0.00065	0.00130	0.14953	0.15083	0.00130	0.03609	0.03739	—	221.801	221.801	0.00356	0.01801	0.60691	227.863
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11885	0.09287	1.53189	1.01189	0.00806	0.02246	8.43314	8.45560	0.02246	0.91796	0.94042	—	1,323.87	1,323.87	0.01502	0.19359	0.08712	1,382.02
2027	0.06681	0.06188	0.33608	0.60730	0.00162	0.00325	0.18662	0.18987	0.00325	0.04633	0.04958	—	339.137	339.137	0.00590	0.03794	0.02383	350.614
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01094	0.00952	0.06224	0.09935	0.00031	0.00071	0.13294	0.13364	0.00071	0.01769	0.01840	—	61.5126	61.5126	0.00093	0.00732	0.07458	63.7923
2027	0.01610	0.01536	0.04562	0.15274	0.00020	0.00040	0.03985	0.04025	0.00040	0.00965	0.01005	—	59.0294	59.0294	0.00107	0.00530	0.07262	60.7073
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00200	0.00174	0.01136	0.01813	0.00006	0.00013	0.02426	0.02439	0.00013	0.00323	0.00336	—	10.1841	10.1841	0.00015	0.00121	0.01235	10.5616
2027	0.00294	0.00280	0.00832	0.02787	0.00004	0.00007	0.00727	0.00734	0.00007	0.00176	0.00183	—	9.77299	9.77299	0.00018	0.00088	0.01202	10.0508

3. Construction Emissions Details

3.1. Gravel Access Installation (2026)

3.1.1. Onsite - Unmitigated

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

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

Off-Road Equipm	1.60244	1.34649	11.5805	13.0906	0.02134	0.50910	—	0.50910	0.46837	—	0.46837	—	2,312.16	2,312.16	0.09379	0.01876	—	2,320.09
Dust From Material Movement	—	—	—	—	—	—	2.55892	2.55892	—	1.31385	1.31385	—	—	—	—	—	—	—
Onsite truck	0.00101	0.00075	0.01971	0.01226	0.00004	0.00007	0.24708	0.24715	0.00007	0.02472	0.02478	—	5.13620	5.13620	0.00018	0.00082	0.00021	5.38390
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02195	0.01845	0.15864	0.17932	0.00029	0.00697	—	0.00697	0.00642	—	0.00642	—	31.6734	31.6734	0.00128	0.00026	—	31.7821
Dust From Material Movement	—	—	—	—	—	—	0.03505	0.03505	—	0.01800	0.01800	—	—	—	—	—	—	—
Onsite truck	0.00001	0.00001	0.00026	0.00016	< 0.000005	< 0.000005	0.00322	0.00322	< 0.000005	0.00032	0.00032	—	0.06996	0.06996	< 0.000005	0.00001	0.00005	0.07339
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00401	0.00337	0.02895	0.03273	0.00005	0.00127	—	0.00127	0.00117	—	0.00117	—	5.24389	5.24389	0.00021	0.00004	—	5.26188
Dust From Material Movement	—	—	—	—	—	—	0.00640	0.00640	—	0.00328	0.00328	—	—	—	—	—	—	—
Onsite truck	< 0.000005	< 0.000005	0.00005	0.00003	< 0.000005	< 0.000005	0.00059	0.00059	< 0.000005	0.00006	0.00006	—	0.01158	0.01158	< 0.000005	< 0.000005	0.00001	0.01215

3.1.2. Offsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07810	0.07102	0.06455	0.68599	0.00000	0.00000	3.40422	3.40422	0.00000	0.36048	0.36048	—	149.082	149.082	0.00441	0.00663	0.01441	151.183
Vendor	0.00442	0.00315	0.11987	0.04265	0.00065	0.00130	0.02473	0.02603	0.00130	0.00683	0.00813	—	90.9360	90.9360	0.00109	0.01305	0.00602	94.8594
Hauling	0.03633	0.01870	1.34747	0.28325	0.00741	0.02116	5.00419	5.02536	0.02116	0.55065	0.57181	—	1,083.85	1,083.85	0.00952	0.17390	0.06668	1,135.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00109	0.00099	0.00080	0.00994	0.00000	0.00000	0.04441	0.04441	0.00000	0.00471	0.00471	—	2.12035	2.12035	0.00005	0.00009	0.00329	2.15207
Vendor	0.00006	0.00005	0.00160	0.00057	0.00001	0.00002	0.00034	0.00035	0.00002	0.00009	0.00011	—	1.24479	1.24479	0.00001	0.00018	0.00137	1.29983
Hauling	0.00051	0.00027	0.01803	0.00383	0.00010	0.00029	0.06533	0.06562	0.00029	0.00722	0.00751	—	14.8409	14.8409	0.00013	0.00238	0.01520	15.5692
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00018	0.00015	0.00181	0.00000	0.00000	0.00811	0.00811	0.00000	0.00086	0.00086	—	0.35105	0.35105	0.00001	0.00002	0.00054	0.35630
Vendor	0.00001	0.00001	0.00029	0.00010	< 0.000005	< 0.000005	0.00006	0.00006	< 0.000005	0.00002	0.00002	—	0.20609	0.20609	< 0.000005	0.00003	0.00023	0.21520
Hauling	0.00009	0.00005	0.00329	0.00070	0.00002	0.00005	0.01192	0.01198	0.00005	0.00132	0.00137	—	2.45708	2.45708	0.00002	0.00039	0.00252	2.57766

3.1.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60244	1.34649	11.5805	13.0906	0.02134	0.50910	—	0.50910	0.46837	—	0.46837	—	2,312.16	2,312.16	0.09379	0.01876	—	2,320.09

Dust From Material Movement	—	—	—	—	—	—	2.55892	2.55892	—	1.31385	1.31385	—	—	—	—	—	—	—
Onsite truck	0.00101	0.00075	0.01971	0.01226	0.00004	0.00007	0.03976	0.03982	0.00007	0.00403	0.00409	—	5.13620	5.13620	0.00018	0.00082	0.00021	5.38390
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02195	0.01845	0.15864	0.17932	0.00029	0.00697	—	0.00697	0.00642	—	0.00642	—	31.6734	31.6734	0.00128	0.00026	—	31.7821
Dust From Material Movement	—	—	—	—	—	—	0.03505	0.03505	—	0.01800	0.01800	—	—	—	—	—	—	—
Onsite truck	0.00001	0.00001	0.00026	0.00016	< 0.000005	< 0.000005	0.00052	0.00052	< 0.000005	0.00005	0.00005	—	0.06996	0.06996	< 0.000005	0.00001	0.00005	0.07339
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00401	0.00337	0.02895	0.03273	0.00005	0.00127	—	0.00127	0.00117	—	0.00117	—	5.24389	5.24389	0.00021	0.00004	—	5.26188
Dust From Material Movement	—	—	—	—	—	—	0.00640	0.00640	—	0.00328	0.00328	—	—	—	—	—	—	—
Onsite truck	< 0.000005	< 0.000005	0.00005	0.00003	< 0.000005	< 0.000005	0.00009	0.00009	< 0.000005	0.00001	0.00001	—	0.01158	0.01158	< 0.000005	< 0.000005	0.00001	0.01215

3.1.4. Offsite - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07810	0.07102	0.06455	0.68599	0.00000	0.00000	3.40422	3.40422	0.00000	0.36048	0.36048	—	149.082	149.082	0.00441	0.00663	0.01441	151.183
Vendor	0.00442	0.00315	0.11987	0.04265	0.00065	0.00130	0.02473	0.02603	0.00130	0.00683	0.00813	—	90.9360	90.9360	0.00109	0.01305	0.00602	94.8594
Hauling	0.03633	0.01870	1.34747	0.28325	0.00741	0.02116	5.00419	5.02536	0.02116	0.55065	0.57181	—	1,083.85	1,083.85	0.00952	0.17390	0.06668	1,135.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00109	0.00099	0.00080	0.00994	0.00000	0.00000	0.04441	0.04441	0.00000	0.00471	0.00471	—	2.12035	2.12035	0.00005	0.00009	0.00329	2.15207
Vendor	0.00006	0.00005	0.00160	0.00057	0.00001	0.00002	0.00034	0.00035	0.00002	0.00009	0.00011	—	1.24479	1.24479	0.00001	0.00018	0.00137	1.29983
Hauling	0.00051	0.00027	0.01803	0.00383	0.00010	0.00029	0.06533	0.06562	0.00029	0.00722	0.00751	—	14.8409	14.8409	0.00013	0.00238	0.01520	15.5692
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00018	0.00015	0.00181	0.00000	0.00000	0.00811	0.00811	0.00000	0.00086	0.00086	—	0.35105	0.35105	0.00001	0.00002	0.00054	0.35630
Vendor	0.00001	0.00001	0.00029	0.00010	< 0.000005	< 0.000005	0.00006	0.00006	< 0.000005	0.00002	0.00002	—	0.20609	0.20609	< 0.000005	0.00003	0.00023	0.21520
Hauling	0.00009	0.00005	0.00329	0.00070	0.00002	0.00005	0.01192	0.01198	0.00005	0.00132	0.00137	—	2.45708	2.45708	0.00002	0.00039	0.00252	2.57766

3.2. Site Preparation (2026)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00098	1.68138	14.2856	16.7265	0.02659	0.65937	—	0.65937	0.60662	—	0.60662	—	2,880.24	2,880.24	0.11684	0.02337	—	2,890.12

Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00101	0.00075	0.01971	0.01226	0.00004	0.00007	0.24708	0.24715	0.00007	0.02472	0.02478	—	5.13620	5.13620	0.00018	0.00082	0.00021	5.38390
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05482	0.04607	0.39139	0.45826	0.00073	0.01807	—	0.01807	0.01662	—	0.01662	—	78.9107	78.9107	0.00320	0.00064	—	79.1815
Dust From Material Movement	—	—	—	—	—	—	0.07568	0.07568	—	0.03659	0.03659	—	—	—	—	—	—	—
Onsite truck	0.00003	0.00002	0.00052	0.00033	< 0.000005	< 0.000005	0.00644	0.00644	< 0.000005	0.00064	0.00065	—	0.13991	0.13991	< 0.000005	0.00002	0.00010	0.14679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01000	0.00841	0.07143	0.08363	0.00013	0.00330	—	0.00330	0.00303	—	0.00303	—	13.0646	13.0646	0.00053	0.00011	—	13.1094
Dust From Material Movement	—	—	—	—	—	—	0.01381	0.01381	—	0.00668	0.00668	—	—	—	—	—	—	—
Onsite truck	0.00001	< 0.000005	0.00010	0.00006	< 0.000005	< 0.000005	0.00117	0.00117	< 0.000005	0.00012	0.00012	—	0.02316	0.02316	< 0.000005	< 0.000005	0.00002	0.02430

3.2.2. Offsite - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07810	0.07102	0.06455	0.68599	0.00000	0.00000	0.15600	0.15600	0.00000	0.03657	0.03657	—	149.082	149.082	0.00441	0.00663	0.01441	151.183
Vendor	0.01326	0.00946	0.35961	0.12795	0.00195	0.00390	0.07418	0.07808	0.00390	0.02050	0.02440	—	272.808	272.808	0.00327	0.03916	0.01807	284.578
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	0.00218	0.00198	0.00160	0.01989	0.00000	0.00000	0.00422	0.00422	0.00000	0.00099	0.00099	—	4.24071	4.24071	0.00011	0.00018	0.00658	4.30415
Vendor	0.00037	0.00027	0.00963	0.00343	0.00005	0.00011	0.00201	0.00212	0.00011	0.00056	0.00066	—	7.46875	7.46875	0.00009	0.00107	0.00825	7.79897
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	0.00040	0.00036	0.00029	0.00363	0.00000	0.00000	0.00077	0.00077	0.00000	0.00018	0.00018	—	0.70210	0.70210	0.00002	0.00003	0.00109	0.71260
Vendor	0.00007	0.00005	0.00176	0.00063	0.00001	0.00002	0.00037	0.00039	0.00002	0.00010	0.00012	—	1.23654	1.23654	0.00001	0.00018	0.00137	1.29121
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

3.2.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00098	1.68138	14.2856	16.7265	0.02659	0.65937	—	0.65937	0.60662	—	0.60662	—	2,880.24	2,880.24	0.11684	0.02337	—	2,890.12
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—

Onsite truck	0.00101	0.00075	0.01971	0.01226	0.00004	0.00007	0.03976	0.03982	0.00007	0.00403	0.00409	—	5.13620	5.13620	0.00018	0.00082	0.00021	5.38390
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05482	0.04607	0.39139	0.45826	0.00073	0.01807	—	0.01807	0.01662	—	0.01662	—	78.9107	78.9107	0.00320	0.00064	—	79.1815
Dust From Material Movement	—	—	—	—	—	—	0.07568	0.07568	—	0.03659	0.03659	—	—	—	—	—	—	—
Onsite truck	0.00003	0.00002	0.00052	0.00033	< 0.000005	< 0.000005	0.00104	0.00104	< 0.000005	0.00011	0.00011	—	0.13991	0.13991	< 0.000005	0.00002	0.00010	0.14679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01000	0.00841	0.07143	0.08363	0.00013	0.00330	—	0.00330	0.00303	—	0.00303	—	13.0646	13.0646	0.00053	0.00011	—	13.1094
Dust From Material Movement	—	—	—	—	—	—	0.01381	0.01381	—	0.00668	0.00668	—	—	—	—	—	—	—
Onsite truck	0.00001	< 0.000005	0.00010	0.00006	< 0.000005	< 0.000005	0.00019	0.00019	< 0.000005	0.00002	0.00002	—	0.02316	0.02316	< 0.000005	< 0.000005	0.00002	0.02430

3.2.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07810	0.07102	0.06455	0.68599	0.00000	0.00000	0.15600	0.15600	0.00000	0.03657	0.03657	—	149.082	149.082	0.00441	0.00663	0.01441	151.183

Vendor	0.01326	0.00946	0.35961	0.12795	0.00195	0.00390	0.07418	0.07808	0.00390	0.02050	0.02440	—	272.808	272.808	0.00327	0.03916	0.01807	284.578
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	0.00218	0.00198	0.00160	0.01989	0.00000	0.00000	0.00422	0.00422	0.00000	0.00099	0.00099	—	4.24071	4.24071	0.00011	0.00018	0.00658	4.30415
Vendor	0.00037	0.00027	0.00963	0.00343	0.00005	0.00011	0.00201	0.00212	0.00011	0.00056	0.00066	—	7.46875	7.46875	0.00009	0.00107	0.00825	7.79897
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	0.00040	0.00036	0.00029	0.00363	0.00000	0.00000	0.00077	0.00077	0.00000	0.00018	0.00018	—	0.70210	0.70210	0.00002	0.00003	0.00109	0.71260
Vendor	0.00007	0.00005	0.00176	0.00063	0.00001	0.00002	0.00037	0.00039	0.00002	0.00010	0.00012	—	1.23654	1.23654	0.00001	0.00018	0.00137	1.29121
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Pile Driving/Module Mounting (2026)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94321	0.79256	8.58293	12.7588	0.02341	0.28250	—	0.28250	0.25990	—	0.25990	—	2,533.64	2,533.64	0.10278	0.02056	—	2,542.33
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.08491	0.07135	0.77263	1.14854	0.00211	0.02543	—	0.02543	0.02340	—	0.02340	—	228.077	228.077	0.00925	0.00185	—	228.860
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	0.01550	0.01302	0.14101	0.20961	0.00038	0.00464	—	0.00464	0.00427	—	0.00427	—	37.7608	37.7608	0.00153	0.00031	—	37.8904
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06248	0.05682	0.05164	0.54879	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	119.266	119.266	0.00353	0.00531	0.01153	120.946
Vendor	0.01105	0.00788	0.29967	0.10663	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	227.340	227.340	0.00273	0.03264	0.01506	237.149
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	0.00572	0.00521	0.00420	0.05228	0.00000	0.00000	0.01110	0.01110	0.00000	0.00260	0.00260	—	11.1470	11.1470	0.00029	0.00048	0.01729	11.3138
Vendor	0.00101	0.00075	0.02637	0.00940	0.00015	0.00029	0.00551	0.00580	0.00029	0.00152	0.00182	—	20.4501	20.4501	0.00025	0.00294	0.02259	21.3543
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	0.00104	0.00095	0.00077	0.00954	0.00000	0.00000	0.00203	0.00203	0.00000	0.00047	0.00047	—	1.84551	1.84551	0.00005	0.00008	0.00286	1.87312
Vendor	0.00019	0.00014	0.00481	0.00172	0.00003	0.00005	0.00101	0.00106	0.00005	0.00028	0.00033	—	3.38576	3.38576	0.00004	0.00049	0.00374	3.53545

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94321	0.79256	8.58293	12.7588	0.02341	0.28250	—	0.28250	0.25990	—	0.25990	—	2,533.64	2,533.64	0.10278	0.02056	—	2,542.33
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08491	0.07135	0.77263	1.14854	0.00211	0.02543	—	0.02543	0.02340	—	0.02340	—	228.077	228.077	0.00925	0.00185	—	228.860
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	0.01550	0.01302	0.14101	0.20961	0.00038	0.00464	—	0.00464	0.00427	—	0.00427	—	37.7608	37.7608	0.00153	0.00031	—	37.8904
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06248	0.05682	0.05164	0.54879	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	119.266	119.266	0.00353	0.00531	0.01153	120.946
Vendor	0.01105	0.00788	0.29967	0.10663	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	227.340	227.340	0.00273	0.03264	0.01506	237.149
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	0.00572	0.00521	0.00420	0.05228	0.00000	0.00000	0.01110	0.01110	0.00000	0.00260	0.00260	—	11.1470	11.1470	0.00029	0.00048	0.01729	11.3138
Vendor	0.00101	0.00075	0.02637	0.00940	0.00015	0.00029	0.00551	0.00580	0.00029	0.00152	0.00182	—	20.4501	20.4501	0.00025	0.00294	0.02259	21.3543
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	0.00104	0.00095	0.00077	0.00954	0.00000	0.00000	0.00203	0.00203	0.00000	0.00047	0.00047	—	1.84551	1.84551	0.00005	0.00008	0.00286	1.87312
Vendor	0.00019	0.00014	0.00481	0.00172	0.00003	0.00005	0.00101	0.00106	0.00005	0.00028	0.00033	—	3.38576	3.38576	0.00004	0.00049	0.00374	3.53545
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. Pile Driving/Module Mounting (2027)

3.4.1. Onsite - Unmitigated

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

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

Off-Roa Equipment	0.92311	0.77567	8.25024	12.7520	0.02339	0.26059	—	0.26059	0.23974	—	0.23974	—	2,532.49	2,532.49	0.10273	0.02055	—	2,541.18
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-Roa d Equipm ent	0.02710	0.02277	0.24218	0.37432	0.00069	0.00765	—	0.00765	0.00704	—	0.00704	—	74.3392	74.3392	0.00302	0.00060	—	74.5943
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-Roa d Equipm ent	0.00495	0.00416	0.04420	0.06831	0.00013	0.00140	—	0.00140	0.00128	—	0.00128	—	12.3077	12.3077	0.00050	0.00010	—	12.3499
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05576	0.05400	0.04704	0.50459	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	116.888	116.888	0.00317	0.00531	0.01036	118.559
Vendor	0.01105	0.00788	0.28904	0.10272	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	222.249	222.249	0.00273	0.03264	0.01348	232.056
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	0.00165	0.00161	0.00124	0.01572	0.00000	0.00000	0.00362	0.00362	0.00000	0.00085	0.00085	—	3.56228	3.56228	0.00008	0.00015	0.00505	3.61272
Vendor	0.00033	0.00024	0.00829	0.00295	0.00005	0.00010	0.00180	0.00189	0.00010	0.00050	0.00059	—	6.51910	6.51910	0.00008	0.00096	0.00659	6.81317
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	0.00030	0.00029	0.00023	0.00287	0.00000	0.00000	0.00066	0.00066	0.00000	0.00015	0.00015	—	0.58978	0.58978	0.00001	0.00002	0.00084	0.59813
Vendor	0.00006	0.00004	0.00151	0.00054	0.00001	0.00002	0.00033	0.00035	0.00002	0.00009	0.00011	—	1.07931	1.07931	0.00001	0.00016	0.00109	1.12800
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92311	0.77567	8.25024	12.7520	0.02339	0.26059	—	0.26059	0.23974	—	0.23974	—	2,532.49	2,532.49	0.10273	0.02055	—	2,541.18
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	0.02710	0.02277	0.24218	0.37432	0.00069	0.00765	—	0.00765	0.00704	—	0.00704	—	74.3392	74.3392	0.00302	0.00060	—	74.5943
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	0.00495	0.00416	0.04420	0.06831	0.00013	0.00140	—	0.00140	0.00128	—	0.00128	—	12.3077	12.3077	0.00050	0.00010	—	12.3499
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05576	0.05400	0.04704	0.50459	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	116.888	116.888	0.00317	0.00531	0.01036	118.559
Vendor	0.01105	0.00788	0.28904	0.10272	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	222.249	222.249	0.00273	0.03264	0.01348	232.056
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	0.00165	0.00161	0.00124	0.01572	0.00000	0.00000	0.00362	0.00362	0.00000	0.00085	0.00085	—	3.56228	3.56228	0.00008	0.00015	0.00505	3.61272
Vendor	0.00033	0.00024	0.00829	0.00295	0.00005	0.00010	0.00180	0.00189	0.00010	0.00050	0.00059	—	6.51910	6.51910	0.00008	0.00096	0.00659	6.81317
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	0.00030	0.00029	0.00023	0.00287	0.00000	0.00000	0.00066	0.00066	0.00000	0.00015	0.00015	—	0.58978	0.58978	0.00001	0.00002	0.00084	0.59813
Vendor	0.00006	0.00004	0.00151	0.00054	0.00001	0.00002	0.00033	0.00035	0.00002	0.00009	0.00011	—	1.07931	1.07931	0.00001	0.00016	0.00109	1.12800
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. Electrical Wiring (2027)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99382	0.83255	8.19553	11.8569	0.02215	0.26010	—	0.26010	0.23929	—	0.23929	—	2,326.99	2,326.99	0.09439	0.01888	—	2,334.98
Onsite truck	0.00112	0.00084	0.01825	0.01184	0.00004	0.00007	0.24708	0.24715	0.00007	0.02472	0.02478	—	4.97407	4.97407	0.00018	0.00079	0.00744	5.22243
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99382	0.83255	8.19553	11.8569	0.02215	0.26010	—	0.26010	0.23929	—	0.23929	—	2,326.99	2,326.99	0.09439	0.01888	—	2,334.98
Onsite truck	0.00099	0.00075	0.01953	0.01221	0.00004	0.00007	0.24708	0.24715	0.00007	0.02472	0.02478	—	5.02420	5.02420	0.00018	0.00079	0.00019	5.26532
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23144	0.19388	1.90855	2.76120	0.00516	0.06057	—	0.06057	0.05573	—	0.05573	—	541.902	541.902	0.02198	0.00440	—	543.762
Onsite truck	0.00025	0.00018	0.00439	0.00279	0.00001	0.00002	0.05470	0.05472	0.00002	0.00547	0.00549	—	1.16325	1.16325	0.00004	0.00018	0.00075	1.22010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04224	0.03538	0.34831	0.50392	0.00094	0.01105	—	0.01105	0.01017	—	0.01017	—	89.7181	89.7181	0.00364	0.00073	—	90.0259
Onsite truck	0.00005	0.00003	0.00080	0.00051	< 0.000005	< 0.000005	0.00998	0.00999	< 0.000005	0.00100	0.00100	—	0.19259	0.19259	0.00001	0.00003	0.00012	0.20200

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06211	0.06105	0.03749	0.69347	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	133.016	133.016	0.00247	0.00495	0.39872	134.952
Vendor	0.00468	0.00350	0.10860	0.03941	0.00065	0.00130	0.02473	0.02603	0.00130	0.00683	0.00813	—	88.7854	88.7854	0.00109	0.01305	0.20818	92.9110
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	0.05576	0.05400	0.04704	0.50459	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	116.888	116.888	0.00317	0.00531	0.01036	118.559
Vendor	0.00442	0.00315	0.11562	0.04109	0.00065	0.00130	0.02473	0.02603	0.00130	0.00683	0.00813	—	88.8995	88.8995	0.00109	0.01305	0.00539	92.8223
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	0.01307	0.01274	0.00980	0.12471	0.00000	0.00000	0.02873	0.02873	0.00000	0.00673	0.00673	—	28.2607	28.2607	0.00066	0.00115	0.04007	28.6609
Vendor	0.00105	0.00078	0.02629	0.00936	0.00015	0.00030	0.00570	0.00601	0.00030	0.00158	0.00188	—	20.6873	20.6873	0.00025	0.00304	0.02091	21.6204
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	0.00238	0.00232	0.00179	0.02276	0.00000	0.00000	0.00524	0.00524	0.00000	0.00123	0.00123	—	4.67889	4.67889	0.00011	0.00019	0.00663	4.74514
Vendor	0.00019	0.00014	0.00480	0.00171	0.00003	0.00006	0.00104	0.00110	0.00006	0.00029	0.00034	—	3.42501	3.42501	0.00004	0.00050	0.00346	3.57951
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

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

Off-Road	0.99382	0.83255	8.19553	11.8569	0.02215	0.26010	—	0.26010	0.23929	—	0.23929	—	2,326.99	2,326.99	0.09439	0.01888	—	2,334.98
Onsite truck	0.00112	0.00084	0.01825	0.01184	0.00004	0.00007	0.03976	0.03982	0.00007	0.00403	0.00409	—	4.97407	4.97407	0.00018	0.00079	0.00744	5.22243
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99382	0.83255	8.19553	11.8569	0.02215	0.26010	—	0.26010	0.23929	—	0.23929	—	2,326.99	2,326.99	0.09439	0.01888	—	2,334.98
Onsite truck	0.00099	0.00075	0.01953	0.01221	0.00004	0.00007	0.03976	0.03982	0.00007	0.00403	0.00409	—	5.02420	5.02420	0.00018	0.00079	0.00019	5.26532
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23144	0.19388	1.90855	2.76120	0.00516	0.06057	—	0.06057	0.05573	—	0.05573	—	541.902	541.902	0.02198	0.00440	—	543.762
Onsite truck	0.00025	0.00018	0.00439	0.00279	0.00001	0.00002	0.00880	0.00882	0.00002	0.00089	0.00091	—	1.16325	1.16325	0.00004	0.00018	0.00075	1.22010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04224	0.03538	0.34831	0.50392	0.00094	0.01105	—	0.01105	0.01017	—	0.01017	—	89.7181	89.7181	0.00364	0.00073	—	90.0259
Onsite truck	0.00005	0.00003	0.00080	0.00051	< 0.000005	< 0.000005	0.00161	0.00161	< 0.000005	0.00016	0.00017	—	0.19259	0.19259	0.00001	0.00003	0.00012	0.20200

3.5.4. Offsite - Mitigated

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

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

Worker	0.06211	0.06105	0.03749	0.69347	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	133.016	133.016	0.00247	0.00495	0.39872	134.952
Vendor	0.00468	0.00350	0.10860	0.03941	0.00065	0.00130	0.02473	0.02603	0.00130	0.00683	0.00813	—	88.7854	88.7854	0.00109	0.01305	0.20818	92.9110
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	0.05576	0.05400	0.04704	0.50459	0.00000	0.00000	0.12480	0.12480	0.00000	0.02925	0.02925	—	116.888	116.888	0.00317	0.00531	0.01036	118.559
Vendor	0.00442	0.00315	0.11562	0.04109	0.00065	0.00130	0.02473	0.02603	0.00130	0.00683	0.00813	—	88.8995	88.8995	0.00109	0.01305	0.00539	92.8223
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	0.01307	0.01274	0.00980	0.12471	0.00000	0.00000	0.02873	0.02873	0.00000	0.00673	0.00673	—	28.2607	28.2607	0.00066	0.00115	0.04007	28.6609
Vendor	0.00105	0.00078	0.02629	0.00936	0.00015	0.00030	0.00570	0.00601	0.00030	0.00158	0.00188	—	20.6873	20.6873	0.00025	0.00304	0.02091	21.6204
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	0.00238	0.00232	0.00179	0.02276	0.00000	0.00000	0.00524	0.00524	0.00000	0.00123	0.00123	—	4.67889	4.67889	0.00011	0.00019	0.00663	4.74514
Vendor	0.00019	0.00014	0.00480	0.00171	0.00003	0.00006	0.00104	0.00110	0.00006	0.00029	0.00034	—	3.42501	3.42501	0.00004	0.00050	0.00346	3.57951
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

4.10. 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
Gravel Access Installation	Site Preparation	10/12/2026	10/16/2026	5.00000	5.00000	—
Site Preparation	Grading	10/19/2026	10/30/2026	5.00000	10.00000	—
Pile Driving/Module Mounting	Building Construction	11/16/2026	1/15/2027	5.00000	45.0000	—
Electrical Wiring	Trenching	1/18/2027	5/14/2027	5.00000	85.0000	—

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
Gravel Access Installation	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Gravel Access Installation	Rubber Tired Loaders	Diesel	Average	1.000000	8.00000	150.000	0.36000
Gravel Access Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Gravel Access Installation	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Site Preparation	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000

Site Preparation	Rubber Tired Loaders	Diesel	Average	1.000000	8.00000	150.000	0.36000
Pile Driving/Module Mounting	Bore/Drill Rigs	Diesel	Average	1.000000	8.00000	83.0000	0.50000
Pile Driving/Module Mounting	Rough Terrain Forklifts	Diesel	Average	2.00000	8.00000	96.0000	0.40000
Pile Driving/Module Mounting	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Pile Driving/Module Mounting	Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Pile Driving/Module Mounting	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Electrical Wiring	Air Compressors	Diesel	Average	1.000000	8.00000	37.0000	0.48000
Electrical Wiring	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Electrical Wiring	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Electrical Wiring	Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Electrical Wiring	Rough Terrain Forklifts	Diesel	Average	2.00000	8.00000	96.0000	0.40000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Gravel Access Installation	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Gravel Access Installation	Rubber Tired Loaders	Diesel	Average	1.000000	8.00000	150.000	0.36000
Gravel Access Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Gravel Access Installation	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000

Site Preparation	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Site Preparation	Rubber Tired Loaders	Diesel	Average	1.000000	8.00000	150.000	0.36000
Pile Driving/Module Mounting	Bore/Drill Rigs	Diesel	Average	1.000000	8.00000	83.0000	0.50000
Pile Driving/Module Mounting	Rough Terrain Forklifts	Diesel	Average	2.00000	8.00000	96.0000	0.40000
Pile Driving/Module Mounting	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Pile Driving/Module Mounting	Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Pile Driving/Module Mounting	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Electrical Wiring	Air Compressors	Diesel	Average	1.000000	8.00000	37.0000	0.48000
Electrical Wiring	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Electrical Wiring	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Electrical Wiring	Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Electrical Wiring	Rough Terrain Forklifts	Diesel	Average	2.00000	8.00000	96.0000	0.40000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Gravel Access Installation	Worker	20.0000	11.0400	LDA,LDT1,LDT2
Gravel Access Installation	Vendor	4.00000	7.37000	HHDT,MHDT
Gravel Access Installation	Hauling	16.0000	20.0000	HHDT
Gravel Access Installation	Onsite truck	1.000000	1.000000	HHDT
Site Preparation	Worker	20.0000	11.0400	LDA,LDT1,LDT2
Site Preparation	Vendor	12.0000	7.37000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT

Site Preparation	Onsite truck	1.000000	1.000000	HHDT
Pile Driving/Module Mounting	Worker	16.0000	11.0400	LDA,LDT1,LDT2
Pile Driving/Module Mounting	Vendor	10.00000	7.37000	HHDT,MHDT
Pile Driving/Module Mounting	Hauling	0.00000	20.0000	HHDT
Pile Driving/Module Mounting	Onsite truck	—	—	HHDT
Electrical Wiring	Worker	16.0000	11.0400	LDA,LDT1,LDT2
Electrical Wiring	Vendor	4.00000	7.37000	HHDT,MHDT
Electrical Wiring	Hauling	0.00000	20.0000	HHDT
Electrical Wiring	Onsite truck	1.000000	1.000000	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Gravel Access Installation	Worker	20.0000	11.0400	LDA,LDT1,LDT2
Gravel Access Installation	Vendor	4.00000	7.37000	HHDT,MHDT
Gravel Access Installation	Hauling	16.0000	20.0000	HHDT
Gravel Access Installation	Onsite truck	1.000000	1.000000	HHDT
Site Preparation	Worker	20.0000	11.0400	LDA,LDT1,LDT2
Site Preparation	Vendor	12.0000	7.37000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	1.000000	1.000000	HHDT
Pile Driving/Module Mounting	Worker	16.0000	11.0400	LDA,LDT1,LDT2
Pile Driving/Module Mounting	Vendor	10.00000	7.37000	HHDT,MHDT
Pile Driving/Module Mounting	Hauling	0.00000	20.0000	HHDT
Pile Driving/Module Mounting	Onsite truck	—	—	HHDT
Electrical Wiring	Worker	16.0000	11.0400	LDA,LDT1,LDT2
Electrical Wiring	Vendor	4.00000	7.37000	HHDT,MHDT
Electrical Wiring	Hauling	0.00000	20.0000	HHDT
Electrical Wiring	Onsite truck	1.000000	1.000000	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	61%	61%
Limit vehicle speeds on unpaved roads to 25 mph	57%	57%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Gravel Access Installation	772.000	—	5.00000	0.00000	0.00000
Site Preparation	—	—	15.0000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	203.983	0.03300	0.00400

2027	0.00000	203.983	0.03300	0.00400

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.5400	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	2	1
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	1	0	2	1
Drought	1	0	2	1
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	0	2	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	2	1
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	1	1	2	1
Drought	1	1	2	1
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	1	2	3

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	93.6279

AQ-PM	99.0915
AQ-DPM	6.94462
Drinking Water	63.2322
Lead Risk Housing	10.6616
Pesticides	0.00000
Toxic Releases	42.1230
Traffic	68.0625
Effect Indicators	—
CleanUp Sites	0.00000
Groundwater	0.00000
Haz Waste Facilities/Generators	56.3997
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	33.2129
Cardio-vascular	31.6800
Low Birth Weights	13.9081
Socioeconomic Factor Indicators	—
Education	4.21412
Housing	60.5577
Linguistic	10.4480
Poverty	61.2814
Unemployment	85.8277

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	60.68266393
Employed	77.67226999
Median HI	56.49942256
Education	—
Bachelor's or higher	81.18824586
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	92.6344155
Active commuting	35.23675093
Social	—
2-parent households	12.947517
Voting	63.59553445
Neighborhood	—
Alcohol availability	79.17361735
Park access	29.0645451
Retail density	78.91697677
Supermarket access	45.96432696
Tree canopy	66.38008469
Housing	—
Homeownership	9.816501989
Housing habitability	71.82086488
Low-inc homeowner severe housing cost burden	90.52996279
Low-inc renter severe housing cost burden	86.28256127
Uncrowded housing	86.21840113
Health Outcomes	—
Insured adults	79.19928141
Arthritis	94.5

Asthma ER Admissions	71.0
High Blood Pressure	92.6
Cancer (excluding skin)	60.5
Asthma	58.2
Coronary Heart Disease	91.8
Chronic Obstructive Pulmonary Disease	89.8
Diagnosed Diabetes	97.2
Life Expectancy at Birth	82.4
Cognitively Disabled	93.6
Physically Disabled	65.4
Heart Attack ER Admissions	74.5
Mental Health Not Good	71.0
Chronic Kidney Disease	95.6
Obesity	71.5
Pedestrian Injuries	19.6
Physical Health Not Good	95.1
Stroke	93.8
Health Risk Behaviors	—
Binge Drinking	1.7
Current Smoker	65.4
No Leisure Time for Physical Activity	84.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	92.2
Elderly	73.1
English Speaking	61.7
Foreign-born	31.1

Outdoor Workers	90.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	62.7
Traffic Density	42.0
Traffic Access	0.0
Other Indices	—
Hardship	7.4
Other Decision Support	—
2016 Voting	44.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	28.0000
Healthy Places Index Score for Project Location (b)	54.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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
Construction: Construction Phases	Adjusted construction schedule to match client provided details
Construction: Off-Road Equipment	Adjusted construction equipment based on client provided details
Construction: Dust From Material Movement	Added amount of exported material
Construction: Trips and VMT	Adjusted construction trips and VMT based on client provided data
Construction: On-Road Fugitive Dust	adjusted percent of travel on paved roads to account for unpaved project site

8.4. Construction

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Gravel Access Installation	Rubber Tired Dozers	Number per Day	3.00000	1.000000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Gravel Access Installation	Material Imported	Cubic Yards	—	772.000
Gravel Access Installation	Total Acres Graded	acres	2.50000	5.00000
Site Preparation	Total Acres Graded	acres	10.00000	15.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Gravel Access Installation	Worker	One-Way Trips per Day	10.00000	20.0000
Gravel Access Installation	Hauling	One-Way Trips per Day	19.4000	16.0000
Site Preparation	Worker	One-Way Trips per Day	12.5000	20.0000
Pile Driving/Module Mounting	Worker	One-Way Trips per Day	0.00000	16.0000
Pile Driving/Module Mounting	Vendor	One-Way Trips per Day	0.00000	10.00000

Electrical Wiring	Worker	One-Way Trips per Day	15.0000	16.0000

8.4.7. On-Road Fugitive Dust

Phase Name	Model Parameter	Units	Default Value	New Value
Gravel Access Installation	Worker Trip Paved	%	100.0000	99.0000
Gravel Access Installation	Hauling Trip Paved	%	100.0000	99.0000