Appendix B

CalEEMod Output

Mariposa Escalon-Bellota Specific Plan - Near Term Improvements Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Mariposa Escalon-Bellota Specific Plan - Near Term Improvements
Construction Start Date	1/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40000
Precipitation (days)	31.2000
Location	37.87833710071254, -121.08697229168416
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2126
EDFZ	4
Electric Utility	Modesto Irrigation District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.46

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
User Defined Linear	1.000000	Mile	1.000000	0.00000	—	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.37887	3.07101	3.93173	0.00855	0.09126	11.3956	11.4868	0.08398	1.16238	1.24636	987.137	987.137	0.03854	0.01409	991.880
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.02131	0.15616	0.21749	0.00055	0.00508	0.57210	0.57718	0.00468	0.05849	0.06317	63.0850	63.0850	0.00238	0.00095	63.4398
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00389	0.02850	0.03969	0.00010	0.00093	0.10441	0.10534	0.00085	0.01068	0.01153	10.4444	10.4444	0.00039	0.00016	10.5032

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.37887	3.07101	3.93173	0.00855	0.09126	11.3956	11.4868	0.08398	1.16238	1.24636	987.137	987.137	0.03854	0.01409	991.880
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.02131	0.15616	0.21749	0.00055	0.00508	0.57210	0.57718	0.00468	0.05849	0.06317	63.0850	63.0850	0.00238	0.00095	63.4398
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.00389	0.02850	0.03969	0.00010	0.00093	0.10441	0.10534	0.00085	0.01068	0.01153	10.4444	10.4444	0.00039	0.00016	10.5032

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
2028	0.31896	3.01976	3.27285	0.00855	0.09126	11.2275	11.3188	0.08398	1.12300	1.20698	892.284	892.284	0.03616	0.00845	895.707
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.01784	0.15329	0.17885	0.00055	0.00508	0.56262	0.56771	0.00468	0.05628	0.06095	53.7633	53.7633	0.00218	0.00057	53.9880
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.00326	0.02798	0.03264	0.00010	0.00093	0.10268	0.10361	0.00085	0.01027	0.01112	8.90113	8.90113	0.00036	0.00009	8.93833

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.05992	0.05125	0.65888	0.00000	0.00000	0.16801	0.16801	0.00000	0.03938	0.03938	158.089	158.089	0.00397	0.00701	160.289
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.00347	0.00287	0.03864	0.00000	0.00000	0.00947	0.00947	0.00000	0.00222	0.00222	9.32173	9.32173	0.00020	0.00038	9.45179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.00063	0.00052	0.00705	0.00000	0.00000	0.00173	0.00173	0.00000	0.00040	0.00040	1.54332	1.54332	0.00003	0.00006	1.56485

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2028)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08839	0.67038	0.54226	0.00140	0.02612	—	0.02612	0.02403	—	0.02403	91.5612	91.5612	0.00371	0.00074	91.8754
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	0.00071	0.02222	0.01195	0.00007	0.00013	5.61377	5.61390	0.00013	0.56150	0.56163	8.04105	8.04105	0.00029	0.00128	8.42962
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00121	0.00918	0.00743	0.00002	0.00036	—	0.00036	0.00033	—	0.00033	1.25426	1.25426	0.00005	0.00001	1.25857
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	0.00001	0.00030	0.00016	< 0.000005	< 0.000005	0.07033	0.07033	< 0.000005	0.00703	0.00704	0.10982	0.10982	< 0.000005	0.00002	0.11521

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00022	0.00168	0.00136	< 0.000005	0.00007	—	0.00007	0.00006	—	0.00006	0.20766	0.20766	0.00001	< 0.000005	0.20837
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	< 0.000005	0.00005	0.00003	< 0.000005	< 0.000005	0.01283	0.01284	< 0.000005	0.00128	0.00128	0.01818	0.01818	< 0.000005	< 0.000005	0.01908

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02397	0.02050	0.26355	0.00000	0.00000	0.06721	0.06721	0.00000	0.01575	0.01575	63.2355	63.2355	0.00159	0.00280	64.1155
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00033	0.00027	0.00368	0.00000	0.00000	0.00090	0.00090	0.00000	0.00021	0.00021	0.88778	0.88778	0.00002	0.00004	0.90017
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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00006	0.00005	0.00067	0.00000	0.00000	0.00016	0.00016	0.00000	0.00004	0.00004	0.14698	0.14698	< 0.000005	0.00001	0.14903
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
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

3.2. Linear, Grading & Excavation (2028)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13746	1.39878	1.19599	0.00269	0.03755	—	0.03755	0.03454	—	0.03454	225.571	225.571	0.00915	0.00183	226.345
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	0.00071	0.02222	0.01195	0.00007	0.00013	5.61377	5.61390	0.00013	0.56150	0.56163	8.04105	8.04105	0.00029	0.00128	8.42962

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00377	0.03832	0.03277	0.00007	0.00103	—	0.00103	0.00095	—	0.00095	6.18002	6.18002	0.00025	0.00005	6.20123
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	0.00002	0.00059	0.00032	< 0.000005	< 0.000005	0.14066	0.14066	< 0.000005	0.01407	0.01407	0.21963	0.21963	0.00001	0.00004	0.23043
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00069	0.00699	0.00598	0.00001	0.00019	—	0.00019	0.00017	—	0.00017	1.02317	1.02317	0.00004	0.00001	1.02668
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	< 0.000005	0.00011	0.00006	< 0.000005	< 0.000005	0.02567	0.02567	< 0.000005	0.00257	0.00257	0.03636	0.03636	< 0.000005	0.00001	0.03815

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02996	0.02562	0.32944	0.00000	0.00000	0.08401	0.08401	0.00000	0.01969	0.01969	79.0444	79.0444	0.00198	0.00350	80.1444
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00083	0.00068	0.00920	0.00000	0.00000	0.00226	0.00226	0.00000	0.00053	0.00053	2.21946	2.21946	0.00005	0.00009	2.25043
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00015	0.00012	0.00168	0.00000	0.00000	0.00041	0.00041	0.00000	0.00010	0.00010	0.36746	0.36746	0.00001	0.00001	0.37258
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
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

3.3. Linear, Drainage, Utilities, & Sub-Grade (2028)

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18008	1.57653	2.05296	0.00367	0.05345	—	0.05345	0.04917	—	0.04917	332.579	332.579	0.01349	0.00270	333.720
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	0.00071	0.02222	0.01195	0.00007	0.00013	5.61377	5.61390	0.00013	0.56150	0.56163	8.04105	8.04105	0.00029	0.00128	8.42962
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00493	0.04319	0.05625	0.00010	0.00146	—	0.00146	0.00135	—	0.00135	9.11174	9.11174	0.00037	0.00007	9.14301
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—
Onsite truck	0.00002	0.00059	0.00032	< 0.000005	< 0.000005	0.14066	0.14066	< 0.000005	0.01407	0.01407	0.21963	0.21963	0.00001	0.00004	0.23043
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00090	0.00788	0.01026	0.00002	0.00027	—	0.00027	0.00025	—	0.00025	1.50855	1.50855	0.00006	0.00001	1.51373
Dust From Material Movement	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Onsite truck	< 0.000005	0.00011	0.00006	< 0.000005	< 0.000005	0.02567	0.02567	< 0.000005	0.00257	0.00257	0.03636	0.03636	< 0.000005	0.00001	0.03815

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02996	0.02562	0.32944	0.00000	0.00000	0.08401	0.08401	0.00000	0.01969	0.01969	79.0444	79.0444	0.00198	0.00350	80.1444
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00083	0.00068	0.00920	0.00000	0.00000	0.00226	0.00226	0.00000	0.00053	0.00053	2.21946	2.21946	0.00005	0.00009	2.25043
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00015	0.00012	0.00168	0.00000	0.00000	0.00041	0.00041	0.00000	0.00010	0.00010	0.36746	0.36746	0.00001	0.00001	0.37258
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
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

3.4. Linear, Paving (2028)

3.4.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19099	1.46562	1.97400	0.00848	0.05391	—	0.05391	0.04959	—	0.04959	884.243	884.243	0.03587	0.00717	887.278
Onsite truck	0.00071	0.02222	0.01195	0.00007	0.00013	5.61377	5.61390	0.00013	0.56150	0.56163	8.04105	8.04105	0.00029	0.00128	8.42962
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00785	0.06023	0.08112	0.00035	0.00222	—	0.00222	0.00204	—	0.00204	36.3388	36.3388	0.00147	0.00029	36.4635
Onsite truck	0.00003	0.00089	0.00048	< 0.000005	0.00001	0.21098	0.21099	0.00001	0.02110	0.02111	0.32945	0.32945	0.00001	0.00005	0.34564
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00143	0.01099	0.01481	0.00006	0.00040	—	0.00040	0.00037	—	0.00037	6.01630	6.01630	0.00024	0.00005	6.03694
Onsite truck	0.00001	0.00016	0.00009	< 0.000005	< 0.000005	0.03850	0.03851	< 0.000005	0.00385	0.00385	0.05454	0.05454	< 0.000005	0.00001	0.05723

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03595	0.03075	0.39533	0.00000	0.00000	0.10081	0.10081	0.00000	0.02363	0.02363	94.8532	94.8532	0.00238	0.00420	96.1733
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00149	0.00123	0.01656	0.00000	0.00000	0.00406	0.00406	0.00000	0.00095	0.00095	3.99503	3.99503	0.00009	0.00016	4.05077
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00022	0.00302	0.00000	0.00000	0.00074	0.00074	0.00000	0.00017	0.00017	0.66142	0.66142	0.00001	0.00003	0.67065
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
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

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	1/1/2028	1/7/2028	5.00000	5.00000	Replace/Install Sop Signs
Linear, Grading & Excavation	Linear, Grading & Excavation	1/8/2028	1/21/2028	5.00000	10.00000	Install Flashing Beacons
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	1/21/2028	2/3/2028	5.00000	10.00000	Radar Speed Signs
Linear, Paving	Linear, Paving	2/4/2028	2/24/2028	5.00000	15.0000	Transverse Rumble Strips

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
Linear, Grubbing & Land Clearing	Signal Boards	Diesel	Average	1.000000	8.00000	6.00000	0.82000
Linear, Grubbing & Land Clearing	Cement and Mortar Mixers	Diesel	Average	1.000000	6.00000	10.00000	0.56000
Linear, Grading & Excavation	Aerial Lifts	Diesel	Average	1.000000	6.00000	46.0000	0.31000
Linear, Grading & Excavation	Generator Sets	Diesel	Average	1.000000	6.00000	14.0000	0.74000
Linear, Grading & Excavation	Signal Boards	Diesel	Average	1.000000	6.00000	6.00000	0.82000
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/ Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Diesel	Average	1.000000	6.00000	6.00000	0.82000
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.000000	6.00000	14.0000	0.74000
Linear, Paving	Surfacing Equipment	Diesel	Average	1.000000	6.00000	399.000	0.30000
Linear, Paving	Signal Boards	Diesel	Average	1.000000	8.00000	6.00000	0.82000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grubbing & Land Clearing	Worker	8.00000	11.8900	LDA,LDT1,LDT2

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grubbing & Land Clearing	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00000	20.0000	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	1.000000	2.00000	HHDT
Linear, Grading & Excavation	Worker	10.00000	11.8900	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00000	20.0000	HHDT
Linear, Grading & Excavation	Onsite truck	1.000000	2.00000	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	10.00000	11.8900	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00000	20.0000	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	1.000000	2.00000	HHDT
Linear, Paving	Worker	12.0000	11.8900	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Paving	Hauling	0.00000	20.0000	HHDT
Linear, Paving	Onsite truck	1.000000	2.00000	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

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)
Linear, Grubbing & Land Clearing	—	—	1.000000	0.00000	0.00000
Linear, Grading & Excavation	—	—	1.000000	0.00000	0.00000
Linear, Drainage, Utilities, & Sub-Grade	—	—	1.000000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

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
2028	0.00000	477.868	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	20.3800	annual days of extreme heat
Extreme Precipitation	2.55000	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk

reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0330
AQ-PM	52.5078
AQ-DPM	22.2775
Drinking Water	66.4044
Lead Risk Housing	44.6629
Pesticides	93.6207
Toxic Releases	80.0825
Traffic	4.96250
Effect Indicators	—
CleanUp Sites	72.7510
Groundwater	98.9042
Haz Waste Facilities/Generators	59.1396
Impaired Water Bodies	86.9593
Solid Waste	96.2199
Sensitive Population	—
Asthma	36.9641
Cardio-vascular	55.0972
Low Birth Weights	31.4858
Socioeconomic Factor Indicators	—

Indicator	Result for Project Census Tract
Education	51.4680
Housing	29.1635
Linguistic	34.6461
Poverty	45.9673
Unemployment	13.1832

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	47.9917875
Employed	10.67624791
Median HI	44.07801873
Education	—
Bachelor's or higher	34.96727833
High school enrollment	27.3193892
Preschool enrollment	74.8235596
Transportation	—
Auto Access	40.90850764
Active commuting	85.56396766
Social	—

Indicator	Result for Project Census Tract
2-parent households	92.21095855
Voting	85.39715129
Neighborhood	—
Alcohol availability	92.82689593
Park access	4.991659181
Retail density	1.514179392
Supermarket access	17.64403952
Tree canopy	71.78236879
Housing	—
Homeownership	60.27203901
Housing habitability	79.09662518
Low-inc homeowner severe housing cost burden	72.97574747
Low-inc renter severe housing cost burden	77.78775824
Uncrowded housing	45.59219813
Health Outcomes	—
Insured adults	28.16630309
Arthritis	0.0
Asthma ER Admissions	68.3
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Indicator	Result for Project Census Tract
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	54.7
Cognitively Disabled	21.0
Physically Disabled	14.9
Heart Attack ER Admissions	44.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	43.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	32.5

Indicator	Result for Project Census Tract
Elderly	39.7
English Speaking	47.2
Foreign-born	46.6
Outdoor Workers	5.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	98.7
Traffic Density	6.0
Traffic Access	0.0
Other Indices	—
Hardship	58.8
Other Decision Support	—
2016 Voting	72.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	59.0000
Healthy Places Index Score for Project Location (b)	49.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
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	Modified for Project Activity
Construction: Off-Road Equipment	Modified for Near Term Activities
Construction: Trips and VMT	Updated for Worker and Truck trips

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	End Date	1/6/2028	1/7/2028
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	Work Days per Phase	4.00000	5.00000
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	Description	—	Replace/Install Sop Signs
Linear, Grading & Excavation	Linear, Grading & Excavation	Start Date	1/7/2028	1/8/2028
Linear, Grading & Excavation	Linear, Grading & Excavation	End Date	1/29/2028	1/21/2028
Linear, Grading & Excavation	Linear, Grading & Excavation	Work Days per Phase	16.0000	10.00000
Linear, Grading & Excavation	Linear, Grading & Excavation	Description	—	Install Flashing Beacons
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	Start Date	1/30/2028	1/21/2028
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	End Date	2/14/2028	2/3/2028
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	Work Days per Phase	11.0000	10.00000
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	Description	—	Radar Speed Signs
Linear, Paving	Linear, Paving	Start Date	2/15/2028	2/4/2028
Linear, Paving	Linear, Paving	End Date	2/22/2028	2/24/2028
Linear, Paving	Linear, Paving	Work Days per Phase	5.00000	15.0000
Linear, Paving	Linear, Paving	Description	—	Transverse Rumble Strips

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Linear, Grubbing & Land Clearing	Worker	One-Way Trips per Day	0.00000	8.00000

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Linear, Grading & Excavation	Worker	One-Way Trips per Day	0.00000	10.00000
Linear, Drainage, Utilities, & Sub-Grade	Worker	One-Way Trips per Day	0.00000	10.00000
Linear, Paving	Worker	One-Way Trips per Day	0.00000	12.0000

Mariposa Escalon-Bellota - Long Term, Site 7 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Mariposa Escalon-Bellota - Long Term, Site 7
Construction Start Date	1/1/2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40000
Precipitation (days)	31.2000
Location	37.912378448276556, -121.1713380088145
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2003
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.46

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
Road Widening	1.90000	Mile	17.0000	0.00000	—	—	—	Widen the existing road

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.72333	19.4449	36.7071	0.07080	0.65896	0.88646	1.54542	0.60626	0.14479	0.75105	8,018.88	8,018.88	0.31437	0.06815	8,047.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.71731	19.4623	36.4232	0.07080	0.65896	0.88646	1.54542	0.60626	0.14479	0.75105	7,985.25	7,985.25	0.31635	0.06815	8,013.48
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.18994	8.77662	16.2288	0.03074	0.28249	0.48939	0.77188	0.25989	0.07728	0.33717	3,459.49	3,459.49	0.13588	0.02911	3,471.66

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.21716	1.60173	2.96176	0.00561	0.05155	0.08931	0.14087	0.04743	0.01410	0.06153	572.757	572.757	0.02250	0.00482	574.773

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	2.72333	19.4449	36.7071	0.07080	0.65896	0.88646	1.54542	0.60626	0.14479	0.75105	8,018.88	8,018.88	0.31437	0.06815	8,047.50
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	2.71731	19.4623	36.4232	0.07080	0.65896	0.88646	1.54542	0.60626	0.14479	0.75105	7,985.25	7,985.25	0.31635	0.06815	8,013.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.18994	8.77662	16.2288	0.03074	0.28249	0.48939	0.77188	0.25989	0.07728	0.33717	3,459.49	3,459.49	0.13588	0.02911	3,471.66
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.21716	1.60173	2.96176	0.00561	0.05155	0.08931	0.14087	0.04743	0.01410	0.06153	572.757	572.757	0.02250	0.00482	574.773

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	2.61863	19.3657	35.4226	0.07059	0.65876	0.50079	1.15955	0.60606	0.05407	0.66013	7,642.57	7,642.57	0.31002	0.06200	7,668.80
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	2.61863	19.3657	35.4226	0.07059	0.65876	0.75119	1.15955	0.60606	0.08111	0.66013	7,642.57	7,642.57	0.31002	0.06200	7,668.80
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.13974	8.73974	15.6975	0.03068	0.28243	0.29636	0.57879	0.25983	0.03200	0.29183	3,283.56	3,283.56	0.13320	0.02664	3,294.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.20800	1.59500	2.86480	0.00560	0.05154	0.05409	0.10563	0.04742	0.00584	0.05326	543.631	543.631	0.02205	0.00441	545.496

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.10470	0.07920	1.28452	0.00020	0.00020	0.38567	0.38587	0.00020	0.09072	0.09092	376.312	376.312	0.00435	0.00615	378.708
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.09868	0.09657	1.00059	0.00020	0.00020	0.38567	0.38587	0.00020	0.09072	0.09092	342.682	342.682	0.00633	0.00615	344.683

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.05020	0.03687	0.53133	0.00006	0.00006	0.19303	0.19309	0.00006	0.04528	0.04534	175.926	175.926	0.00269	0.00247	176.830
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.00916	0.00673	0.09697	0.00001	0.00001	0.03523	0.03524	0.00001	0.00826	0.00827	29.1266	29.1266	0.00044	0.00041	29.2762

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2035)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30095	3.12473	4.37866	0.00584	0.09153	—	0.09153	0.08420	—	0.08420	632.799	632.799	0.02567	0.00513	634.970
Dust From Material Movement	—	—	—	—	—	0.75119	0.75119	—	0.08111	0.08111	—	—	—	—	—

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01979	0.20546	0.28791	0.00038	0.00602	—	0.00602	0.00554	—	0.00554	41.6087	41.6087	0.00169	0.00034	41.7515
Dust From Material Movement	—	—	—	—	—	0.04939	0.04939	—	0.00533	0.00533	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00361	0.03750	0.05254	0.00007	0.00110	—	0.00110	0.00101	—	0.00101	6.88879	6.88879	0.00028	0.00006	6.91243
Dust From Material Movement	—	—	—	—	—	0.00901	0.00901	—	0.00097	0.00097	—	—	—	—	—
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

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03270	0.02366	0.33049	0.00000	0.00000	0.12601	0.12601	0.00000	0.02954	0.02954	106.968	106.968	0.00198	0.00099	107.317
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00213	0.00125	0.02250	0.00000	0.00000	0.00812	0.00812	0.00000	0.00190	0.00190	7.20759	7.20759	0.00011	0.00007	7.23389
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00023	0.00411	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	1.19330	1.19330	0.00002	0.00001	1.19765
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
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

3.2. Linear, Grading & Excavation (2035)

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Off-Road Equipment	2.61863	19.3657	35.4226	0.07059	0.65876	—	0.65876	0.60606	—	0.60606	7,642.57	7,642.57	0.31002	0.06200	7,668.80
Dust From Material Movement	—	—	—	—	—	0.50079	0.50079	—	0.05407	0.05407	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.61863	19.3657	35.4226	0.07059	0.65876	—	0.65876	0.60606	—	0.60606	7,642.57	7,642.57	0.31002	0.06200	7,668.80
Dust From Material Movement	—	—	—	—	—	0.50079	0.50079	—	0.05407	0.05407	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77483	5.73014	10.4812	0.02089	0.19492	—	0.19492	0.17933	—	0.17933	2,261.36	2,261.36	0.09173	0.01835	2,269.12
Dust From Material Movement	—	—	—	—	—	0.14818	0.14818	—	0.01600	0.01600	—	—	—	—	—
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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14141	1.04575	1.91282	0.00381	0.03557	—	0.03557	0.03273	—	0.03273	374.394	374.394	0.01519	0.00304	375.679
Dust From Material Movement	—	—	—	—	—	0.02704	0.02704	—	0.00292	0.00292	—	—	—	—	—
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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10406	0.05523	1.27570	0.00000	0.00000	0.37803	0.37803	0.00000	0.08861	0.08861	354.559	354.559	0.00397	0.00298	355.984
Vendor	0.00064	0.02398	0.00882	0.00020	0.00020	0.00763	0.00783	0.00020	0.00211	0.00231	21.4529	21.4529	0.00033	0.00316	22.4213
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09811	0.07099	0.99148	0.00000	0.00000	0.37803	0.37803	0.00000	0.08861	0.08861	320.903	320.903	0.00595	0.00298	321.950
Vendor	0.00058	0.02557	0.00911	0.00020	0.00020	0.00763	0.00783	0.00020	0.00211	0.00231	21.4796	21.4796	0.00033	0.00316	22.4312
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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02874	0.01693	0.30371	0.00000	0.00000	0.10962	0.10962	0.00000	0.02566	0.02566	97.3025	97.3025	0.00147	0.00088	97.6575
Vendor	0.00018	0.00740	0.00265	0.00006	0.00006	0.00222	0.00228	0.00006	0.00061	0.00067	6.35103	6.35103	0.00010	0.00094	6.63465
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00524	0.00309	0.05543	0.00000	0.00000	0.02000	0.02000	0.00000	0.00468	0.00468	16.1095	16.1095	0.00024	0.00015	16.1683
Vendor	0.00003	0.00135	0.00048	0.00001	0.00001	0.00041	0.00042	0.00001	0.00011	0.00012	1.05148	1.05148	0.00002	0.00015	1.09844
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

3.3. Linear, Drainage, Utilities, & Sub-Grade (2035)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44448	11.1073	19.1902	0.03954	0.34432	—	0.34432	0.31677	—	0.31677	4,087.37	4,087.37	0.16580	0.03316	4,101.40
Dust From Material Movement	—	—	—	—	—	0.50079	0.50079	—	0.05407	0.05407	—	—	—	—	—

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44448	11.1073	19.1902	0.03954	0.34432	—	0.34432	0.31677	—	0.31677	4,087.37	4,087.37	0.16580	0.03316	4,101.40
Dust From Material Movement	—	—	—	—	—	0.50079	0.50079	—	0.05407	0.05407	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28494	2.19104	3.78547	0.00780	0.06792	—	0.06792	0.06249	—	0.06249	806.276	806.276	0.03271	0.00654	809.043
Dust From Material Movement	—	—	—	—	—	0.09879	0.09879	—	0.01067	0.01067	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05200	0.39986	0.69085	0.00142	0.01240	—	0.01240	0.01140	—	0.01140	133.488	133.488	0.00541	0.00108	133.946

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Dust From Material Movement	—	—	—	—	—	0.01803	0.01803	—	0.00195	0.00195	—	—	—	—	—
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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07515	0.03989	0.92134	0.00000	0.00000	0.27302	0.27302	0.00000	0.06400	0.06400	256.071	256.071	0.00287	0.00215	257.100
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07085	0.05127	0.71607	0.00000	0.00000	0.27302	0.27302	0.00000	0.06400	0.06400	231.763	231.763	0.00430	0.00215	232.519
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01384	0.00815	0.14623	0.00000	0.00000	0.05278	0.05278	0.00000	0.01235	0.01235	46.8493	46.8493	0.00071	0.00042	47.0203
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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00252	0.00149	0.02669	0.00000	0.00000	0.00963	0.00963	0.00000	0.00225	0.00225	7.75644	7.75644	0.00012	0.00007	7.78474
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
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

3.4. Linear, Paving (2035)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61022	6.21625	11.5880	0.01632	0.13758	—	0.13758	0.12658	—	0.12658	1,767.33	1,767.33	0.07169	0.01434	1,773.39
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06019	0.61311	1.14293	0.00161	0.01357	—	0.01357	0.01248	—	0.01248	174.312	174.312	0.00707	0.00141	174.910

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01098	0.11189	0.20858	0.00029	0.00248	—	0.00248	0.00228	—	0.00228	28.8593	28.8593	0.00117	0.00023	28.9584
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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05450	0.03944	0.55082	0.00000	0.00000	0.21002	0.21002	0.00000	0.04923	0.04923	178.279	178.279	0.00331	0.00165	178.861
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00532	0.00313	0.05624	0.00000	0.00000	0.02030	0.02030	0.00000	0.00475	0.00475	18.0190	18.0190	0.00027	0.00016	18.0847
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
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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00097	0.00057	0.01026	0.00000	0.00000	0.00370	0.00370	0.00000	0.00087	0.00087	2.98325	2.98325	0.00005	0.00003	2.99413
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
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

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	NBCO2	CO2T	CH4	N2O	CO2e
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
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	1/1/2035	2/3/2035	5.00000	24.0000	—
Linear, Grading & Excavation	Linear, Grading & Excavation	2/4/2035	7/5/2035	5.00000	108.000	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	7/6/2035	10/14/2035	5.00000	72.0000	—
Linear, Paving	Linear, Paving	10/15/2035	12/4/2035	5.00000	36.0000	—

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
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	3.00000	8.00000	6.00000	0.82000
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	1.000000	8.00000	87.0000	0.43000
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Linear, Grading & Excavation	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	1.000000	8.00000	87.0000	0.43000

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Grading & Excavation	Graders	Diesel	Average	2.00000	8.00000	148.000	0.41000
Linear, Grading & Excavation	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Linear, Grading & Excavation	Signal Boards	Electric	Average	3.00000	8.00000	6.00000	0.82000
Linear, Grading & Excavation	Tractors/Loaders/ Backhoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	1.000000	8.00000	150.000	0.36000
Linear, Grading & Excavation	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	1.000000	8.00000	96.0000	0.40000
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/ Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	3.00000	8.00000	6.00000	0.82000
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.000000	8.00000	8.00000	0.43000
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.000000	8.00000	11.0000	0.74000
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.000000	8.00000	37.0000	0.48000

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Linear, Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Linear, Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Linear, Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Linear, Paving	Tractors/Loaders/ Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Linear, Paving	Signal Boards	Electric	Average	3.00000	8.00000	6.00000	0.82000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grubbing & Land Clearing	Worker	15.0000	11.8900	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00000	20.0000	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT
Linear, Grading & Excavation	Worker	45.0000	11.8900	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.000000	9.10000	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00000	20.0000	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	32.5000	11.8900	LDA,LDT1,LDT2

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00000	20.0000	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	Worker	25.0000	11.8900	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00000	9.10000	HHDT,MHDT
Linear, Paving	Hauling	0.00000	20.0000	HHDT
Linear, Paving	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

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)
Linear, Grubbing & Land Clearing	—	—	17.0000	0.00000	0.00000

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Linear, Grading & Excavation	—	—	17.0000	0.00000	0.00000
Linear, Drainage, Utilities, & Sub-Grade	—	—	17.0000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

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
2035	352.209	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	18.6400	annual days of extreme heat
Extreme Precipitation	3.00000	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
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	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5414

Indicator	Result for Project Census Tract
AQ-PM	53.3541
AQ-DPM	41.0579
Drinking Water	95.9785
Lead Risk Housing	66.6919
Pesticides	88.4138
Toxic Releases	37.9720
Traffic	28.5125
Effect Indicators	—
CleanUp Sites	44.3262
Groundwater	30.8816
Haz Waste Facilities/Generators	91.1052
Impaired Water Bodies	43.7841
Solid Waste	79.9542
Sensitive Population	—
Asthma	64.0703
Cardio-vascular	92.0489
Low Birth Weights	49.9102
Socioeconomic Factor Indicators	—
Education	94.5836
Housing	65.5513
Linguistic	92.8001

Indicator	Result for Project Census Tract
Poverty	81.7588
Unemployment	93.2978

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	11.77980239
Employed	2.502245605
Median HI	7.981521879
Education	—
Bachelor's or higher	3.079686898
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	16.15552419
Active commuting	29.19286539
Social	—
2-parent households	85.79494418
Voting	23.71358912
Neighborhood	—

Indicator	Result for Project Census Tract
Alcohol availability	71.53856025
Park access	2.194276915
Retail density	9.739509817
Supermarket access	12.70370846
Tree canopy	80.31566791
Housing	—
Homeownership	40.94700372
Housing habitability	48.55639677
Low-inc homeowner severe housing cost burden	90.97908379
Low-inc renter severe housing cost burden	66.09778006
Uncrowded housing	18.27280893
Health Outcomes	—
Insured adults	40.74169126
Arthritis	41.4
Asthma ER Admissions	39.4
High Blood Pressure	21.8
Cancer (excluding skin)	74.5
Asthma	23.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	12.3
Diagnosed Diabetes	28.6

Indicator	Result for Project Census Tract
Life Expectancy at Birth	7.9
Cognitively Disabled	29.3
Physically Disabled	17.3
Heart Attack ER Admissions	23.7
Mental Health Not Good	11.5
Chronic Kidney Disease	27.1
Obesity	2.1
Pedestrian Injuries	65.6
Physical Health Not Good	10.5
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	52.5
Current Smoker	6.5
No Leisure Time for Physical Activity	5.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	5.0
Elderly	51.6
English Speaking	8.7
Foreign-born	53.9

Indicator	Result for Project Census Tract
Outdoor Workers	23.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	86.3
Traffic Density	40.0
Traffic Access	0.0
Other Indices	—
Hardship	94.9
Other Decision Support	—
2016 Voting	12.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	94.0000
Healthy Places Index Score for Project Location (b)	6.00000
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