

Twelve Oaks Residential Congregate Care Facility Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Twelve Oaks Residential Congregate Care Facility
Construction Start Date	5/1/2027
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	11.2000
Location	34.21017165665452, -118.2412159855353
County	Los Angeles-South Coast
City	Glendale
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	3907
EDFZ	18
Electric Utility	Glendale Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.41

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
Retirement Community	104.000	Dwelling Unit	4.00000	92,420.0	91,265.0	0.00000	308.000	—

Enclosed Parking with Elevator	26.4710	1000sqft	0.30000	26,471.0	0.00000	0.00000	—	—
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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.	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.	35.1113	34.6963	76.2417	86.8817	0.15777	2.94755	30.1869	33.1345	2.71540	14.3189	17.0343	—	19,515.9	19,515.9	0.82440	0.76136	13.5430	19,777.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.60330	1.34320	10.2907	17.5626	0.02688	0.34005	1.25631	1.59636	0.31312	0.30002	0.61314	—	3,953.38	3,953.38	0.13244	0.12550	0.12430	3,994.21
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.22826	2.12628	13.1753	16.8391	0.02959	0.48241	3.58490	4.06731	0.44450	1.55076	1.99526	—	3,886.89	3,886.89	0.14710	0.15769	1.54424	3,939.10
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40666	0.38805	2.40450	3.07314	0.00540	0.08804	0.65424	0.74228	0.08112	0.28301	0.36413	—	643.518	643.518	0.02435	0.02611	0.25567	652.163

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	10.1917	8.42269	76.2417	86.8817	0.15777	2.94755	30.1869	33.1345	2.71540	14.3189	17.0343	—	19,515.9	19,515.9	0.82440	0.76136	13.5430	19,777.0
2028	35.1113	34.6963	16.4881	30.0369	0.04156	0.52948	1.74255	2.27203	0.48740	0.41399	0.90139	—	5,950.69	5,950.69	0.19030	0.15483	5.75220	6,007.34
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.60330	1.34320	10.2907	17.5626	0.02687	0.34005	1.25631	1.59636	0.31312	0.30002	0.61314	—	3,953.38	3,953.38	0.13244	0.12550	0.12430	3,994.21
2028	1.54787	1.29370	9.76485	17.2959	0.02688	0.30371	1.25631	1.56003	0.27969	0.30002	0.57971	—	3,923.43	3,923.43	0.12708	0.12550	0.11303	3,964.12
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.82425	1.50734	13.1753	16.8391	0.02959	0.48241	3.58490	4.06731	0.44450	1.55076	1.99526	—	3,886.89	3,886.89	0.14710	0.15769	1.54424	3,939.10
2028	2.22826	2.12628	3.96460	7.06413	0.01066	0.12443	0.47920	0.60363	0.11457	0.11427	0.22885	—	1,547.04	1,547.04	0.05016	0.04719	0.71700	1,563.08
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.33293	0.27509	2.40450	3.07314	0.00540	0.08804	0.65424	0.74228	0.08112	0.28301	0.36413	—	643.518	643.518	0.02435	0.02611	0.25567	652.163
2028	0.40666	0.38805	0.72354	1.28920	0.00194	0.02271	0.08745	0.11016	0.02091	0.02085	0.04176	—	256.131	256.131	0.00830	0.00781	0.11871	258.785

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	9.38955	7.88276	71.4960	77.1224	0.13216	2.90192	27.4234	30.3253	2.66977	13.6307	16.3005	—	14,081.9	14,081.9	0.57122	0.11424	0.00000	14,130.2
2028	34.6009	34.2644	15.5830	22.8538	0.03808	0.52600	0.00000	0.52600	0.48392	0.00000	0.48392	—	3,881.26	3,881.26	0.15744	0.03149	0.00000	3,894.57
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	0.00000	0.33657	0.30965	0.00000	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	0.00000	2,405.30

2028	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	0.00000	0.30024	0.27622	0.00000	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.58926	1.33298	12.0791	14.0266	0.02436	0.47389	2.78460	3.25849	0.43598	1.35497	1.79095	—	2,559.63	2,559.63	0.10383	0.02077	0.00000	2,568.42
2028	2.08921	2.01023	3.65216	5.31175	0.00940	0.12317	0.00000	0.12317	0.11332	0.00000	0.11332	—	962.396	962.396	0.03904	0.00781	0.00000	965.698
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.29004	0.24327	2.20443	2.55985	0.00445	0.08648	0.50819	0.59467	0.07957	0.24728	0.32685	—	423.777	423.777	0.01719	0.00344	0.00000	425.231
2028	0.38128	0.36687	0.66652	0.96939	0.00172	0.02248	0.00000	0.02248	0.02068	0.00000	0.02068	—	159.336	159.336	0.00646	0.00129	0.00000	159.882

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	0.80211	0.53994	4.74570	9.75935	0.02561	0.04563	2.76353	2.80916	0.04563	0.68821	0.73385	—	5,434.05	5,434.05	0.25318	0.64712	13.5430	5,646.76
2028	0.51039	0.43196	0.90513	7.18308	0.00348	0.00348	1.74255	1.74602	0.00348	0.41399	0.41746	—	2,069.43	2,069.43	0.03286	0.12334	5.75220	2,112.76
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.37254	0.31332	0.89977	4.62461	0.00348	0.00348	1.25631	1.25979	0.00348	0.30002	0.30349	—	1,556.30	1,556.30	0.03520	0.10605	0.12430	1,588.91
2028	0.36306	0.30226	0.83990	4.36066	0.00348	0.00348	1.25631	1.25979	0.00348	0.30002	0.30349	—	1,525.98	1,525.98	0.02983	0.10605	0.11303	1,558.44
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.23499	0.17436	1.09626	2.81254	0.00523	0.00852	0.80030	0.80883	0.00852	0.19579	0.20431	—	1,327.25	1,327.25	0.04327	0.13693	1.54424	1,370.68
2028	0.13906	0.11605	0.31244	1.75238	0.00126	0.00126	0.47920	0.48045	0.00126	0.11427	0.11553	—	584.649	584.649	0.01112	0.03938	0.71700	597.378
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.04289	0.03182	0.20007	0.51329	0.00096	0.00156	0.14606	0.14761	0.00156	0.03573	0.03729	—	219.742	219.742	0.00716	0.02267	0.25567	226.932
2028	0.02538	0.02118	0.05702	0.31981	0.00023	0.00023	0.08745	0.08768	0.00023	0.02085	0.02108	—	96.7952	96.7952	0.00184	0.00652	0.11871	98.9028

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.9015	30.7971	3.19883	66.8631	0.15458	7.47300	1.61645	9.08944	7.33618	0.41059	7.74677	1,133.16	5,576.85	6,710.01	18.9874	0.12626	5.96831	7,228.29
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.1458	30.0853	3.18565	59.2540	0.15355	7.46819	1.61645	9.08464	7.33256	0.41059	7.74315	1,133.16	5,484.63	6,617.79	18.9896	0.12935	1.29793	7,132.37
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.55369	5.21931	1.19606	14.6789	0.02748	0.55493	1.52652	2.08145	0.54441	0.38779	0.93220	225.724	3,702.30	3,928.02	16.2803	0.09339	3.14287	4,366.00
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.01355	0.95252	0.21828	2.67890	0.00501	0.10128	0.27859	0.37986	0.09936	0.07077	0.17013	37.3712	612.957	650.329	2.69539	0.01546	0.52034	722.841

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.84445	0.76431	0.56020	6.73385	0.01690	0.01006	1.61673	1.62679	0.00936	0.41067	0.42003	—	1,729.26	1,729.26	0.07812	0.06607	4.79469	1,755.70
Area	33.0081	30.0084	2.22339	59.9513	0.13525	7.42940	—	7.42940	7.29307	—	7.29307	974.160	1,881.85	2,856.01	2.90516	0.03548	—	2,939.21
Energy	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	1,872.35	1,872.35	0.09015	0.00623	—	1,876.46
Water	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Waste	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362

Twelve Oaks Residential Congregate Care Facility Detailed Report, 4/3/2026

Vegetati	—	-0.00006	-0.00300	—	-0.00024	-0.00028	-0.00028	-0.00056	-0.00008	-0.00008	-0.00015	—	-4.07132	-4.07132	—	—	—	-4.0713
Total	33.9015	30.7971	3.19883	66.8631	0.15458	7.47300	1.61645	9.08944	7.33618	0.41059	7.74677	1,133.16	5,576.85	6,710.01	18.9874	0.12626	5.96831	7,228.29
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.83675	0.75583	0.61257	6.18661	0.01620	0.01007	1.61673	1.62679	0.00937	0.41067	0.42004	—	1,657.54	1,657.54	0.08117	0.06933	0.12432	1,680.36
Area	32.2601	29.3051	2.15783	52.8894	0.13493	7.42459	—	7.42459	7.28945	—	7.28945	974.160	1,861.34	2,835.50	2.90430	0.03530	—	2,918.63
Energy	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	1,872.35	1,872.35	0.09015	0.00623	—	1,876.46
Water	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Waste	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362
Vegetati on	—	-0.00006	-0.00300	—	-0.00024	-0.00028	-0.00028	-0.00056	-0.00008	-0.00008	-0.00015	—	-4.07132	-4.07132	—	—	—	-4.07132
Total	33.1458	30.0853	3.18565	59.2540	0.15355	7.46819	1.61645	9.08464	7.33256	0.41059	7.74315	1,133.16	5,484.63	6,617.79	18.9896	0.12935	1.29793	7,132.37
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.79023	0.71335	0.58811	6.04145	0.01559	0.00957	1.52680	1.53637	0.00891	0.38787	0.39678	—	1,595.02	1,595.02	0.07670	0.06615	1.96926	1,618.62
Area	4.71452	4.48155	0.19270	8.45949	0.00946	0.51183	—	0.51183	0.50176	—	0.50176	66.7233	141.537	208.260	0.19951	0.00254	—	214.003
Energy	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	1,872.35	1,872.35	0.09015	0.00623	—	1,876.46
Water	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Waste	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362
Vegetati on	—	-0.00006	-0.00300	—	-0.00024	-0.00028	-0.00028	-0.00056	-0.00008	-0.00008	-0.00015	—	-4.07132	-4.07132	—	—	—	-4.07132
Total	5.55369	5.21931	1.19606	14.6789	0.02748	0.55493	1.52652	2.08145	0.54441	0.38779	0.93220	225.724	3,702.30	3,928.02	16.2803	0.09339	3.14287	4,366.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.14422	0.13019	0.10733	1.10257	0.00284	0.00175	0.27864	0.28039	0.00163	0.07079	0.07241	—	264.073	264.073	0.01270	0.01095	0.32603	267.980
Area	0.86040	0.81788	0.03517	1.54386	0.00173	0.09341	—	0.09341	0.09157	—	0.09157	11.0468	23.4330	34.4798	0.03303	0.00042	—	35.4307
Energy	0.00893	0.00447	0.07633	0.03248	0.00049	0.00617	—	0.00617	0.00617	—	0.00617	—	309.989	309.989	0.01493	0.00103	—	310.670
Water	—	—	—	—	—	—	—	—	—	—	—	1.22983	16.1359	17.3658	0.12662	0.00306	—	21.4430

Waste	—	—	—	—	—	—	—	—	—	—	—	25.0946	0.00000	25.0946	2.50811	0.00000	—	87.7973
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.19431
Vegetation	—	-0.00001	-0.00055	—	-0.00004	-0.00005	-0.00005	-0.00010	-0.00001	-0.00001	-0.00003	—	-0.67405	-0.67405	—	—	—	-0.67405
Total	1.01355	0.95252	0.21828	2.67890	0.00501	0.10128	0.27859	0.37986	0.09936	0.07077	0.17013	37.3712	612.957	650.329	2.69539	0.01546	0.52034	722.841

3. Construction Emissions Details

3.1. Demolition (2027)

3.1.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	—	0.79594	0.73226	—	0.73226	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	0.66690	0.66690	—	0.10099	0.10099	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43382	0.36407	3.27132	3.06258	0.00535	0.13084	—	0.13084	0.12037	—	0.12037	—	563.325	563.325	0.02285	0.00457	—	565.259

Demolition	—	—	—	—	—	—	0.10963	0.10963	—	0.01660	0.01660	—	—	—	—	—	—	—
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	0.07917	0.06644	0.59702	0.55892	0.00098	0.02388	—	0.02388	0.02197	—	0.02197	—	93.2650	93.2650	0.00378	0.00076	—	93.5850
Demolition	—	—	—	—	—	—	0.02001	0.02001	—	0.00303	0.00303	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06035	0.05324	0.05175	0.90097	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	199.340	199.340	0.00843	0.00711	0.62114	202.291
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03785	0.00835	0.61087	0.24244	0.00358	0.00682	0.14338	0.15020	0.00682	0.03925	0.04607	—	515.597	515.597	0.02557	0.08388	1.09711	542.330
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00981	0.00859	0.01063	0.13188	0.00000	0.00000	0.03200	0.03200	0.00000	0.00750	0.00750	—	31.5244	31.5244	0.00043	0.00117	0.04401	31.9276
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00619	0.00132	0.10585	0.04002	0.00059	0.00112	0.02344	0.02456	0.00112	0.00642	0.00754	—	84.7715	84.7715	0.00420	0.01379	0.07791	89.0635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00179	0.00157	0.00194	0.02407	0.00000	0.00000	0.00584	0.00584	0.00000	0.00137	0.00137	—	5.21923	5.21923	0.00007	0.00019	0.00729	5.28598

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00113	0.00024	0.01932	0.00730	0.00011	0.00020	0.00428	0.00448	0.00020	0.00117	0.00138	—	14.0349	14.0349	0.00070	0.00228	0.01290	14.7455	

3.2. Site Preparation (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	—	1.17173	1.07799	—	1.07799	—	5,297.82	5,297.82	0.21490	0.04298	—	5,316.00
Dust From Material Movement	—	—	—	—	—	—	19.6570	19.6570	—	10.1025	10.1025	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27860	0.23410	2.14583	2.16938	0.00375	0.08989	—	0.08989	0.08270	—	0.08270	—	406.408	406.408	0.01649	0.00330	—	407.803
Dust From Material Movement	—	—	—	—	—	—	1.50794	1.50794	—	0.77498	0.77498	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05084	0.04272	0.39161	0.39591	0.00068	0.01640	—	0.01640	0.01509	—	0.01509	—	67.2855	67.2855	0.00273	0.00055	—	67.5164	
Dust From Material Movement	—	—	—	—	—	—	0.27520	0.27520	—	0.14143	0.14143	—	—	—	—	—	—	—	
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07041	0.06212	0.06038	1.05114	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	232.563	232.563	0.00984	0.00829	0.72467	236.006
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00052	0.00012	0.00846	0.00336	0.00005	0.00009	0.00199	0.00208	0.00009	0.00054	0.00064	—	7.14344	7.14344	0.00035	0.00116	0.01520	7.51381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00534	0.00468	0.00579	0.07180	0.00000	0.00000	0.01742	0.01742	0.00000	0.00408	0.00408	—	17.1633	17.1633	0.00024	0.00064	0.02396	17.3828
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00004	0.00001	0.00068	0.00026	< 0.000005	0.00001	0.00015	0.00016	0.00001	0.00004	0.00005	—	0.54809	0.54809	0.00003	0.00009	0.00050	0.57584
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00097	0.00085	0.00106	0.01310	0.00000	0.00000	0.00318	0.00318	0.00000	0.00074	0.00074	—	2.84158	2.84158	0.00004	0.00011	0.00397	2.87792
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	< 0.000005	0.00012	0.00005	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.09074	0.09074	< 0.000005	0.00001	0.00008	0.09534

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	7.09944	7.09944	—	3.42729	3.42729	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31035	0.26078	2.33952	2.83962	0.00449	0.09825	—	0.09825	0.09039	—	0.09039	—	486.587	486.587	0.01974	0.00395	—	488.257

Dust From Material Movement	—	—	—	—	—	—	1.16703	1.16703	—	0.56339	0.56339	—	—	—	—	—	—	—
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	0.05664	0.04759	0.42696	0.51823	0.00082	0.01793	—	0.01793	0.01650	—	0.01650	—	80.5601	80.5601	0.00327	0.00065	—	80.8365
Dust From Material Movement	—	—	—	—	—	—	0.21298	0.21298	—	0.10282	0.10282	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06035	0.05324	0.05175	0.90097	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	199.340	199.340	0.00843	0.00711	0.62114	202.291
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.19561	0.04317	3.15703	1.25294	0.01850	0.03524	0.74098	0.77623	0.03524	0.20287	0.23811	—	2,664.66	2,664.66	0.13217	0.43351	5.66997	2,802.82
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00981	0.00859	0.01063	0.13188	0.00000	0.00000	0.03200	0.03200	0.00000	0.00750	0.00750	—	31.5244	31.5244	0.00043	0.00117	0.04401	31.9276
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.03201	0.00681	0.54706	0.20683	0.00304	0.00579	0.12114	0.12693	0.00579	0.03318	0.03897	—	438.108	438.108	0.02173	0.07126	0.40265	460.290
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00179	0.00157	0.00194	0.02407	0.00000	0.00000	0.00584	0.00584	0.00000	0.00137	0.00137	—	5.21923	5.21923	0.00007	0.00019	0.00729	5.28598
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00584	0.00124	0.09984	0.03775	0.00056	0.00106	0.02211	0.02316	0.00106	0.00606	0.00711	—	72.5338	72.5338	0.00360	0.01180	0.06666	76.2062

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.56649	0.47403	4.32240	5.95500	0.01077	0.15492	—	0.15492	0.14252	—	0.14252	—	1,103.31	1,103.31	0.04476	0.00895	—	1,107.10
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	0.10338	0.08651	0.78884	1.08679	0.00197	0.02827	—	0.02827	0.02601	—	0.02601	—	182.666	182.666	0.00741	0.00148	—	183.293
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34601	0.30524	0.29671	5.16545	0.00000	0.00000	1.12407	1.12407	0.00000	0.26348	0.26348	—	1,142.85	1,142.85	0.04835	0.04076	3.56113	1,159.77
Vendor	0.03101	0.01445	0.50874	0.24207	0.00348	0.00348	0.13224	0.13572	0.00348	0.03654	0.04001	—	472.554	472.554	0.02004	0.06529	1.23261	493.743
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	0.34221	0.29956	0.37065	4.37675	0.00000	0.00000	1.12407	1.12407	0.00000	0.26348	0.26348	—	1,083.49	1,083.49	0.01517	0.04076	0.09229	1,096.11
Vendor	0.03033	0.01377	0.52912	0.24786	0.00348	0.00348	0.13224	0.13572	0.00348	0.03654	0.04001	—	472.814	472.814	0.02004	0.06529	0.03201	492.803
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	0.15751	0.13788	0.17060	2.11704	0.00000	0.00000	0.51366	0.51366	0.00000	0.12034	0.12034	—	506.059	506.059	0.00698	0.01876	0.70643	512.531
Vendor	0.01427	0.00649	0.24501	0.11283	0.00160	0.00160	0.06050	0.06210	0.00160	0.01672	0.01832	—	217.554	217.554	0.00922	0.03005	0.24478	226.984

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02875	0.02516	0.03113	0.38636	0.00000	0.00000	0.09374	0.09374	0.00000	0.02196	0.02196	—	83.7839	83.7839	0.00116	0.00311	0.11696	84.8554	
Vendor	0.00260	0.00118	0.04471	0.02059	0.00029	0.00029	0.01104	0.01133	0.00029	0.00305	0.00334	—	36.0185	36.0185	0.00153	0.00498	0.04053	37.5798	
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	

3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.42848	0.35855	3.22765	4.67795	0.00846	0.10858	—	0.10858	0.09989	—	0.09989	—	867.026	867.026	0.03517	0.00703	—	870.001
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	0.07820	0.06543	0.58905	0.85373	0.00154	0.01982	—	0.01982	0.01823	—	0.01823	—	143.546	143.546	0.00582	0.00116	—	144.039
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33463	0.29387	0.29292	4.85073	0.00000	0.00000	1.12407	1.12407	0.00000	0.26348	0.26348	—	1,122.39	1,122.39	0.01138	0.04076	3.20000	1,138.03
Vendor	0.03101	0.01097	0.48550	0.23410	0.00348	0.00348	0.13224	0.13572	0.00348	0.03654	0.04001	—	461.530	461.530	0.01656	0.06495	1.16799	482.467
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	0.33274	0.29197	0.33368	4.12459	0.00000	0.00000	1.12407	1.12407	0.00000	0.26348	0.26348	—	1,064.17	1,064.17	0.01327	0.04076	0.08276	1,076.73
Vendor	0.03033	0.01029	0.50622	0.23607	0.00348	0.00348	0.13224	0.13572	0.00348	0.03654	0.04001	—	461.805	461.805	0.01656	0.06529	0.03027	481.705
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11965	0.10490	0.11999	1.55951	0.00000	0.00000	0.40359	0.40359	0.00000	0.09456	0.09456	—	390.532	390.532	0.00480	0.01474	0.50063	395.546
Vendor	0.01109	0.00384	0.18411	0.08439	0.00126	0.00126	0.04753	0.04879	0.00126	0.01314	0.01440	—	166.952	166.952	0.00599	0.02361	0.18154	174.319

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02184	0.01915	0.02190	0.28461	0.00000	0.00000	0.07366	0.07366	0.00000	0.01726	0.01726	—	64.6571	64.6571	0.00079	0.00244	0.08289	65.4872	
Vendor	0.00202	0.00070	0.03360	0.01540	0.00023	0.00023	0.00868	0.00890	0.00023	0.00240	0.00263	—	27.6408	27.6408	0.00099	0.00391	0.03006	28.8605	
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	

3.6. Paving (2028)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74648	0.62588	5.84990	8.80025	0.01296	0.21041	—	0.21041	0.19358	—	0.19358	—	1,350.28	1,350.28	0.05477	0.01095	—	1,354.92
Paving	0.03275	0.03275	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04908	0.04115	0.38465	0.57865	0.00085	0.01384	—	0.01384	0.01273	—	0.01273	—	88.7856	88.7856	0.00360	0.00072	—	89.0903
Paving	0.00215	0.00215	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00896	0.00751	0.07020	0.10560	0.00016	0.00252	—	0.00252	0.00232	—	0.00232	—	14.6995	14.6995	0.00060	0.00012	—	14.7499
Paving	0.00039	0.00039	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07782	0.06834	0.06812	1.12811	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	261.029	261.029	0.00265	0.00948	0.74421	264.664
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00506	0.00444	0.00507	0.06594	0.00000	0.00000	0.01707	0.01707	0.00000	0.00400	0.00400	—	16.5134	16.5134	0.00020	0.00062	0.02117	16.7254
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00092	0.00081	0.00093	0.01203	0.00000	0.00000	0.00311	0.00311	0.00000	0.00073	0.00073	—	2.73398	2.73398	0.00003	0.00010	0.00350	2.76908
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Architectural Coating (2028)

3.7.1. 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	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	32.5070	32.5070	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00640	0.00529	0.03985	0.05515	0.00009	0.00076	—	0.00076	0.00070	—	0.00070	—	6.58440	6.58440	0.00027	0.00005	—	6.60700
Architectural Coatings	1.60309	1.60309	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00117	0.00097	0.00727	0.01006	0.00002	0.00014	—	0.00014	0.00013	—	0.00013	—	1.09012	1.09012	0.00004	0.00001	—	1.09386
Architectural Coatings	0.29256	0.29256	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

3.7.2. 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	0.06693	0.05877	0.05858	0.97015	0.00000	0.00000	0.22481	0.22481	0.00000	0.05270	0.05270	—	224.479	224.479	0.00228	0.00815	0.64000	227.605
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00326	0.00286	0.00327	0.04253	0.00000	0.00000	0.01101	0.01101	0.00000	0.00258	0.00258	—	10.6509	10.6509	0.00013	0.00040	0.01365	10.7876
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00060	0.00052	0.00060	0.00776	0.00000	0.00000	0.00201	0.00201	0.00000	0.00047	0.00047	—	1.76338	1.76338	0.00002	0.00007	0.00226	1.78601
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	0.84445	0.76431	0.56020	6.73385	0.01690	0.01006	1.61673	1.62679	0.00936	0.41067	0.42003	—	1,729.26	1,729.26	0.07812	0.06607	4.79469	1,755.70
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.84445	0.76431	0.56020	6.73385	0.01690	0.01006	1.61673	1.62679	0.00936	0.41067	0.42003	—	1,729.26	1,729.26	0.07812	0.06607	4.79469	1,755.70
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	0.83675	0.75583	0.61257	6.18661	0.01620	0.01007	1.61673	1.62679	0.00937	0.41067	0.42004	—	1,657.54	1,657.54	0.08117	0.06933	0.12432	1,680.36
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.83675	0.75583	0.61257	6.18661	0.01620	0.01007	1.61673	1.62679	0.00937	0.41067	0.42004	—	1,657.54	1,657.54	0.08117	0.06933	0.12432	1,680.36
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Retirem Community	0.14422	0.13019	0.10733	1.10257	0.00284	0.00175	0.27864	0.28039	0.00163	0.07079	0.07241	—	264.073	264.073	0.01270	0.01095	0.32603	267.980
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.14422	0.13019	0.10733	1.10257	0.00284	0.00175	0.27864	0.28039	0.00163	0.07079	0.07241	—	264.073	264.073	0.01270	0.01095	0.32603	267.980

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirem ent Commu nity	—	—	—	—	—	—	—	—	—	—	—	—	1,066.93	1,066.93	0.03433	0.00416	—	1,069.02
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	274.531	274.531	0.00883	0.00107	—	275.071
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,341.46	1,341.46	0.04317	0.00523	—	1,344.10
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirem ent Commu nity	—	—	—	—	—	—	—	—	—	—	—	—	1,066.93	1,066.93	0.03433	0.00416	—	1,069.02

Enclosed	—	—	—	—	—	—	—	—	—	—	—	—	274.531	274.531	0.00883	0.00107	—	275.071
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,341.46	1,341.46	0.04317	0.00523	—	1,344.10
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	176.642	176.642	0.00568	0.00069	—	176.989
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	45.4518	45.4518	0.00146	0.00018	—	45.5412
Total	—	—	—	—	—	—	—	—	—	—	—	—	222.094	222.094	0.00715	0.00087	—	222.530

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	530.894	530.894	0.04698	0.00100	—	532.367
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	530.894	530.894	0.04698	0.00100	—	532.367
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Retirement	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	530.894	530.894	0.04698	0.00100	—	532.367
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.04894	0.02447	0.41825	0.17798	0.00267	0.03382	—	0.03382	0.03382	—	0.03382	—	530.894	530.894	0.04698	0.00100	—	532.367
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	0.00893	0.00447	0.07633	0.03248	0.00049	0.00617	—	0.00617	0.00617	—	0.00617	—	87.8956	87.8956	0.00778	0.00017	—	88.1394
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00893	0.00447	0.07633	0.03248	0.00049	0.00617	—	0.00617	0.00617	—	0.00617	—	87.8956	87.8956	0.00778	0.00017	—	88.1394

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	30.1210	27.1659	2.15783	52.8894	0.13493	7.42459	—	7.42459	7.28945	—	7.28945	974.160	1,861.34	2,835.50	2.90430	0.03530	—	2,918.63
Consumer Products	1.97882	1.97882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Twelve Oaks Residential Congregate Care Facility Detailed Report, 4/3/2026

Architectural Coating	0.16031	0.16031	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74798	0.70335	0.06556	7.06192	0.00032	0.00481	—	0.00481	0.00363	—	0.00363	—	20.5097	20.5097	0.00086	0.00017	—	20.5823
Total	33.0081	30.0084	2.22339	59.9513	0.13525	7.42940	—	7.42940	7.29307	—	7.29307	974.160	1,881.85	2,856.01	2.90516	0.03548	—	2,939.21
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	30.1210	27.1659	2.15783	52.8894	0.13493	7.42459	—	7.42459	7.28945	—	7.28945	974.160	1,861.34	2,835.50	2.90430	0.03530	—	2,918.63
Consumer Products	1.97882	1.97882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.16031	0.16031	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	32.2601	29.3051	2.15783	52.8894	0.13493	7.42459	—	7.42459	7.28945	—	7.28945	974.160	1,861.34	2,835.50	2.90430	0.03530	—	2,918.63
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.37651	0.33957	0.02697	0.66112	0.00169	0.09281	—	0.09281	0.09112	—	0.09112	11.0468	21.1073	32.1541	0.03293	0.00040	—	33.0967
Consumer Products	0.36113	0.36113	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02926	0.02926	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09350	0.08792	0.00820	0.88274	0.00004	0.00060	—	0.00060	0.00045	—	0.00045	—	2.32577	2.32577	0.00010	0.00002	—	2.33399
Total	0.86040	0.81788	0.03517	1.54386	0.00173	0.09341	—	0.09341	0.09157	—	0.09157	11.0468	23.4330	34.4798	0.03303	0.00042	—	35.4307

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	7.42824	97.4619	104.890	0.76482	0.01848	—	129.517
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Retirement Community	—	—	—	—	—	—	—	—	—	—	—	1.22983	16.1359	17.3658	0.12662	0.00306	—	21.4430
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	1.22983	16.1359	17.3658	0.12662	0.00306	—	21.4430

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301	
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	
Total	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301	

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	151.572	0.00000	151.572	15.1491	0.00000	—	530.301
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	25.0946	0.00000	25.0946	2.50811	0.00000	—	87.7973
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	25.0946	0.00000	25.0946	2.50811	0.00000	—	87.7973

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Retirement	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17362	1.17362
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.19431
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.19431

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	-0.00006	-0.00018	—	-0.00004	-0.00006	-0.00006	-0.00013	-0.00002	-0.00002	-0.00003	—	-1.19876	-1.19876	—	—	—	-1.19876
Subtotal	—	-0.00006	-0.00018	—	-0.00004	-0.00006	-0.00006	-0.00013	-0.00002	-0.00002	-0.00003	—	-1.19876	-1.19876	—	—	—	-1.19876
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	—	—	—	—	—	—	—	—	—	—	—	-2.87255	-2.87255	—	—	—	-2.87255
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-2.87255	-2.87255	—	—	—	-2.87255
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	—	-0.00282	—	-0.00020	-0.00022	-0.00022	-0.00043	-0.00006	-0.00006	-0.00012	—	—	—	—	—	—	—
Subtotal	—	—	-0.00282	—	-0.00020	-0.00022	-0.00022	-0.00043	-0.00006	-0.00006	-0.00012	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00006	-0.00300	—	-0.00024	-0.00028	-0.00028	-0.00056	-0.00008	-0.00008	-0.00015	—	-4.07132	-4.07132	—	—	—	-4.07132
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	-0.00006	-0.00018	—	-0.00004	-0.00006	-0.00006	-0.00013	-0.00002	-0.00002	-0.00003	—	-1.19876	-1.19876	—	—	—	-1.19876

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Subtotal	—	-0.00006	-0.00018	—	-0.00004	-0.00006	-0.00006	-0.00013	-0.00002	-0.00002	-0.00003	—	-1.19876	-1.19876	—	—	—	-1.19876
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	—	—	—	—	—	—	—	—	—	—	—	-2.87255	-2.87255	—	—	—	-2.87255
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-2.87255	-2.87255	—	—	—	-2.87255
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	—	-0.00282	—	-0.00020	-0.00022	-0.00022	-0.00043	-0.00006	-0.00006	-0.00012	—	—	—	—	—	—	—
Subtotal	—	—	-0.00282	—	-0.00020	-0.00022	-0.00022	-0.00043	-0.00006	-0.00006	-0.00012	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00006	-0.00300	—	-0.00024	-0.00028	-0.00028	-0.00056	-0.00008	-0.00008	-0.00015	—	-4.07132	-4.07132	—	—	—	-4.07132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	-0.00001	-0.00003	—	-0.00001	-0.00001	-0.00001	-0.00002	> -0.000005	> -0.000005	-0.00001	—	-0.19847	-0.19847	—	—	—	-0.19847
Subtotal	—	-0.00001	-0.00003	—	-0.00001	-0.00001	-0.00001	-0.00002	> -0.000005	> -0.000005	-0.00001	—	-0.19847	-0.19847	—	—	—	-0.19847
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Coastlive oak	—	—	—	—	—	—	—	—	—	—	—	—	-0.47558	-0.47558	—	—	—	-0.47558
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-0.47558	-0.47558	—	—	—	-0.47558
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Coastline	—	—	-0.00051	—	-0.00004	-0.00004	-0.00004	-0.00008	-0.00001	-0.00001	-0.00002	—	—	—	—	—	—	
Subtotal	—	—	-0.00051	—	-0.00004	-0.00004	-0.00004	-0.00008	-0.00001	-0.00001	-0.00002	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total	—	-0.00001	-0.00055	—	-0.00004	-0.00005	-0.00005	-0.00010	-0.00001	-0.00001	-0.00003	—	-0.67405	-0.67405	—	—	—	-0.67405

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	5/1/2027	7/9/2027	6.00000	60.0000	—
Site Preparation	Site Preparation	5/30/2027	7/1/2027	6.00000	28.0000	—
Grading	Grading	6/7/2027	8/14/2027	6.00000	60.0000	—
Building Construction	Building Construction	6/19/2027	6/2/2028	6.00000	300.000	—
Paving	Paving	5/7/2028	6/3/2028	6.00000	24.0000	—
Architectural Coating	Architectural Coating	6/2/2028	6/22/2028	6.00000	18.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000

Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	2.00000	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	6.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	6.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	7.73333	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT

Site Preparation	Hauling	0.10714	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	39.9667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	85.9978	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	15.4562	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	17.1996	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	187,151	62,383.5	588.060	65.3400	784.080

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 (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	40,280.0	0.00000
Site Preparation	0.00000	20.0000	42.0000	0.00000	0.00000
Grading	0.00000	19,183.0	60.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.30000

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Retirement Community	—	0%
Paving	Enclosed Parking with Elevator	0.30000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	1,025.46	0.03300	0.00400
2028	0.00000	1,025.46	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
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Retirement Community	249.600	211.120	202.800	86,657.3	2,279.70	1,928.24	1,852.25	791,475
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Retirement Community	Wood Fireplaces	5	5
Retirement Community	Gas Fireplaces	88	88
Retirement Community	Propane Fireplaces	0	0
Retirement Community	Electric Fireplaces	0	0
Retirement Community	No Fireplaces	10	10
Retirement Community	Conventional Wood Stoves	0	0
Retirement Community	Catalytic Wood Stoves	5	5
Retirement Community	Non-Catalytic Wood Stoves	5	5
Retirement Community	Pellet Wood Stoves	0	0
Enclosed Parking with Elevator	Wood Fireplaces	0	0
Enclosed Parking with Elevator	Gas Fireplaces	0	0
Enclosed Parking with Elevator	Propane Fireplaces	0	0
Enclosed Parking with Elevator	Electric Fireplaces	0	0
Enclosed Parking with Elevator	No Fireplaces	0	0
Enclosed Parking with Elevator	Conventional Wood Stoves	0	0
Enclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
187,151	62,383.5	588.060	65.3400	784.080

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Retirement Community	379,758	1,025.46	0.0330	0.0040	1,656,532
Enclosed Parking with Elevator	97,715.9	1,025.46	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Retirement Community	3,876,475	1,564,388
Enclosed Parking with Elevator	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Retirement Community	281.243	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Retirement Community	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Retirement Community	Household refrigerators and/or freezers	R-134a	1,430.00	0.22222	0.60000	0.00000	1.00000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Coastlive oak	20.0000	46,674.5	215.800
Coastlive oak	10.00000	27,352.8	128.800

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	20.5500	annual days of extreme heat
Extreme Precipitation	9.25000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.0500	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	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.6260
AQ-PM	59.6266
AQ-DPM	50.9894
Drinking Water	97.8144
Lead Risk Housing	53.6862
Pesticides	0.00000
Toxic Releases	66.1540
Traffic	59.7250
Effect Indicators	—
CleanUp Sites	68.9436
Groundwater	75.6766
Haz Waste Facilities/Generators	23.7194
Impaired Water Bodies	23.8765
Solid Waste	9.66781

Sensitive Population	—
Asthma	8.42473
Cardio-vascular	16.4756
Low Birth Weights	7.95484
Socioeconomic Factor Indicators	—
Education	30.8656
Housing	88.0989
Linguistic	75.5312
Poverty	30.0377
Unemployment	28.2015

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	60.42602335
Employed	71.97484922
Median HI	52.48299756
Education	—
Bachelor's or higher	79.31476967
High school enrollment	100
Preschool enrollment	40.22841011
Transportation	—
Auto Access	17.29757475
Active commuting	40.89567561
Social	—
2-parent households	82.12498396
Voting	56.5635827

Neighborhood	—
Alcohol availability	26.88310022
Park access	81.35506224
Retail density	17.27191069
Supermarket access	82.52277685
Tree canopy	89.59322469
Housing	—
Homeownership	34.47966123
Housing habitability	18.68343385
Low-inc homeowner severe housing cost burden	24.90696779
Low-inc renter severe housing cost burden	21.08302323
Uncrowded housing	51.79006801
Health Outcomes	—
Insured adults	63.64686257
Arthritis	25.8
Asthma ER Admissions	90.3
High Blood Pressure	31.6
Cancer (excluding skin)	12.2
Asthma	76.7
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	47.8
Diagnosed Diabetes	60.0
Life Expectancy at Birth	73.9
Cognitively Disabled	33.5
Physically Disabled	14.3
Heart Attack ER Admissions	70.6
Mental Health Not Good	73.6
Chronic Kidney Disease	45.1

Obesity	79.3
Pedestrian Injuries	55.7
Physical Health Not Good	60.5
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	75.2
Current Smoker	74.7
No Leisure Time for Physical Activity	69.5
Climate Change Exposures	—
Wildfire Risk	22.6
SLR Inundation Area	0.0
Children	53.3
Elderly	25.4
English Speaking	39.4
Foreign-born	76.1
Outdoor Workers	82.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	57.9
Traffic Density	63.8
Traffic Access	23.0
Other Indices	—
Hardship	33.1
Other Decision Support	—
2016 Voting	36.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	39.0000

Healthy Places Index Score for Project Location (b)	58.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	The scope of work is to demolish twelve existing buildings and to construct a new three-story, 92,420 square-foot, 104 bed, Residential Congregate Care Facility with a 26,471 square-foot subterranean garage on an irregularly-shaped, 4.3-acre lot, zoned R1 II (Low Density Residential Zone, Floor Area District II).
Construction: Construction Phases	Site demolition 60 days, site preparation 28 days, grading 60 days, building construction 300 days, Paving 24 days, and architectural coating 18 days.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	20.8000	4.00000
Building Area	sq. ft	110,240	92,420.0

Landscape Area	sq. ft	—	91,265.0
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.60769	0.30000
Landscape Area	sq. ft	—	0.00000
Special Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	5/29/2027	7/9/2027
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	60.0000
Site Preparation	Site Preparation	End Date	6/6/2027	7/1/2027
Site Preparation	Site Preparation	Days/Week	5.00000	6.00000
Site Preparation	Site Preparation	Work Days per Phase	5.00000	28.0000
Grading	Grading	End Date	6/18/2027	8/14/2027
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	8.00000	60.0000
Building Construction	Building Construction	End Date	5/6/2028	6/2/2028
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	230.000	300.000
Paving	Paving	End Date	6/1/2028	6/3/2028
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	18.0000	24.0000
Architectural Coating	Architectural Coating	End Date	6/27/2028	6/22/2028
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000