Landon Equestrian Arena Detailed Report

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8.4.4. Dust from Material Movement

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Landon Equestrian Arena
Construction Start Date	6/1/2027
Operational Year	2028
Lead Agency	County of Santa Barbara
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.40000
Precipitation (days)	25.4000
Location	34.64157153052119, -120.0775182799361
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3362
EDFZ	6
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.43

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

Arena	45.0000	1000sqft	2.56000	45,000.0	101,495	0.00000	—	Equestrian arena for private use of approximately 10-20 users per day

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants

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.	347.870	347.847	15.0271	20.9534	0.03579	0.48840	1.63738	2.02634	0.44861	0.18269	0.54054	—	3,769.30	3,769.30	0.15032	0.05428	0.98845	3,790.22
Mit.	347.870	347.847	15.0271	20.9534	0.03579	0.48840	1.63738	2.02634	0.44861	0.18269	0.54054	—	3,769.30	3,769.30	0.15032	0.05428	0.98845	3,790.22
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.70349	1.42070	12.6777	14.3559	0.02489	0.54320	7.23353	7.77673	0.50009	3.46396	3.96405	—	2,854.10	2,854.10	0.12044	0.07682	0.02144	2,880.02
Mit.	1.70349	1.42070	12.6777	14.3559	0.02489	0.54320	7.23353	7.77673	0.50009	3.46396	3.96405	—	2,854.10	2,854.10	0.12044	0.07682	0.02144	2,880.02
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.13145	3.08673	1.87138	2.44474	0.00473	0.05673	0.13624	0.18130	0.05205	0.05354	0.09500	—	480.188	480.188	0.01926	0.00798	0.05644	483.104

Mit.	3.13145	3.08673	1.87138	2.44474	0.00473	0.05673	0.13624	0.18130	0.05205	0.05354	0.09500	—	480.188	480.188	0.01926	0.00798	0.05644	483.104
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.57149	0.56333	0.34153	0.44616	0.00086	0.01035	0.02486	0.03309	0.00950	0.00977	0.01734	—	79.5006	79.5006	0.00319	0.00132	0.00934	79.9835
Mit.	0.57149	0.56333	0.34153	0.44616	0.00086	0.01035	0.02486	0.03309	0.00950	0.00977	0.01734	—	79.5006	79.5006	0.00319	0.00132	0.00934	79.9835
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	265.000	265.000	—	—	80.0000	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	Yes	No	—	—	No	—	—	—	—	—	—	—	—	Yes	—	—	—
Mit.	—	Yes	No	—	—	No	—	—	—	—	—	—	—	—	Yes	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	265.000	265.000	—	—	80.0000	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	No	—	—	—	—	—	—	—	—	Yes	—	—	—
Mit.	—	No	No	—	—	No	—	—	—	—	—	—	—	—	Yes	—	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

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

2027	1.32148	1.11323	9.09463	11.0082	0.02508	0.38896	1.63738	2.02634	0.35784	0.18269	0.54054	—	2,761.23	2,761.23	0.11166	0.02415	0.17790	2,771.40
2028	347.870	347.847	15.0271	20.9534	0.03579	0.48840	0.24356	0.73197	0.44861	0.05846	0.50707	—	3,769.30	3,769.30	0.15032	0.05428	0.98845	3,790.22
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.70349	1.42070	12.6777	14.3559	0.02489	0.54320	7.23353	7.77673	0.50009	3.46396	3.96405	—	2,854.10	2,854.10	0.12044	0.07682	0.02144	2,880.02
2028	1.38244	1.15606	9.46771	12.3423	0.02398	0.28644	0.15030	0.43674	0.26280	0.03660	0.29940	—	2,434.26	2,434.26	0.09805	0.04071	0.01714	2,448.86
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.18575	0.15532	1.29102	1.58446	0.00308	0.04505	0.13624	0.18130	0.04147	0.05354	0.09500	—	320.323	320.323	0.01299	0.00553	0.03729	322.333
2028	3.13145	3.08673	1.87138	2.44474	0.00473	0.05673	0.02935	0.08608	0.05205	0.00714	0.05919	—	480.188	480.188	0.01926	0.00798	0.05644	483.104
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03390	0.02835	0.23561	0.28916	0.00056	0.00822	0.02486	0.03309	0.00757	0.00977	0.01734	—	53.0331	53.0331	0.00215	0.00092	0.00617	53.3659
2028	0.57149	0.56333	0.34153	0.44616	0.00086	0.01035	0.00536	0.01571	0.00950	0.00130	0.01080	—	79.5006	79.5006	0.00319	0.00132	0.00934	79.9835

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.28950	1.08354	9.07446	10.7681	0.02508	0.38896	1.59075	1.97971	0.35784	0.17176	0.52961	—	2,715.88	2,715.88	0.11017	0.02203	0.00000	2,725.20
2028	347.855	347.832	14.7631	19.8492	0.03493	0.48668	0.00000	0.48668	0.44775	0.00000	0.44775	—	3,445.20	3,445.20	0.13975	0.02795	0.00000	3,457.02
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.63491	1.37378	12.1813	13.8677	0.02312	0.53897	7.08448	7.62345	0.49585	3.42502	3.92088	—	2,455.46	2,455.46	0.09960	0.01992	0.00000	2,463.88
2028	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	0.00000	0.28471	0.26194	0.00000	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	0.00000	2,208.97
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17524	0.14629	1.25889	1.50552	0.00296	0.04482	0.11884	0.16366	0.04124	0.04927	0.09051	—	290.498	290.498	0.01178	0.00236	0.00000	291.495

2028	3.11385	3.07120	1.82500	2.31515	0.00456	0.05639	0.00000	0.05639	0.05188	0.00000	0.05188	—	434.410	434.410	0.01762	0.00352	0.00000	435.901
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03198	0.02670	0.22975	0.27476	0.00054	0.00818	0.02169	0.02987	0.00753	0.00899	0.01652	—	48.0953	48.0953	0.00195	0.00039	0.00000	48.2603
2028	0.56828	0.56049	0.33306	0.42251	0.00083	0.01029	0.00000	0.01029	0.00947	0.00000	0.00947	—	71.9215	71.9215	0.00292	0.00058	0.00000	72.1683

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	0.03198	0.02970	0.02017	0.24015	0.00000	0.00000	0.04663	0.04663	0.00000	0.01093	0.01093	—	45.3549	45.3549	0.00149	0.00212	0.17790	46.2007
2028	0.15011	0.13547	0.26405	1.10420	0.00086	0.00172	0.24356	0.24529	0.00086	0.05846	0.05933	—	324.100	324.100	0.01056	0.02633	0.98845	333.199
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.09217	0.08064	0.49640	0.71414	0.00222	0.00423	0.15030	0.15328	0.00423	0.03894	0.04317	—	398.642	398.642	0.02084	0.05690	0.02144	416.139
2028	0.08806	0.07756	0.23854	0.67113	0.00086	0.00172	0.15030	0.15202	0.00086	0.03660	0.03747	—	232.846	232.846	0.00875	0.02285	0.01714	239.890
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01051	0.00903	0.03213	0.07895	0.00012	0.00023	0.01741	0.01764	0.00023	0.00427	0.00450	—	29.8246	29.8246	0.00121	0.00317	0.03729	30.8381
2028	0.01759	0.01553	0.04638	0.12959	0.00017	0.00033	0.02935	0.02969	0.00017	0.00714	0.00731	—	45.7779	45.7779	0.00164	0.00446	0.05644	47.2038
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.00192	0.00165	0.00586	0.01441	0.00002	0.00004	0.00318	0.00322	0.00004	0.00078	0.00082	—	4.93780	4.93780	0.00020	0.00053	0.00617	5.10560
2028	0.00321	0.00283	0.00846	0.02365	0.00003	0.00006	0.00536	0.00542	0.00003	0.00130	0.00133	—	7.57905	7.57905	0.00027	0.00074	0.00934	7.81512

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.32148	1.11323	9.09463	11.0082	0.02508	0.38896	1.63738	2.02634	0.35784	0.18269	0.54054	—	2,761.23	2,761.23	0.11166	0.02415	0.17790	2,771.40
2028	347.870	347.847	15.0271	20.9534	0.03579	0.48840	0.24356	0.73197	0.44861	0.05846	0.50707	—	3,769.30	3,769.30	0.15032	0.05428	0.98845	3,790.22
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.70349	1.42070	12.6777	14.3559	0.02489	0.54320	7.23353	7.77673	0.50009	3.46396	3.96405	—	2,854.10	2,854.10	0.12044	0.07682	0.02144	2,880.02
2028	1.38244	1.15606	9.46771	12.3423	0.02398	0.28644	0.15030	0.43674	0.26280	0.03660	0.29940	—	2,434.26	2,434.26	0.09805	0.04071	0.01714	2,448.86
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.18575	0.15532	1.29102	1.58446	0.00308	0.04505	0.13624	0.18130	0.04147	0.05354	0.09500	—	320.323	320.323	0.01299	0.00553	0.03729	322.333
2028	3.13145	3.08673	1.87138	2.44474	0.00473	0.05673	0.02935	0.08608	0.05205	0.00714	0.05919	—	480.188	480.188	0.01926	0.00798	0.05644	483.104
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03390	0.02835	0.23561	0.28916	0.00056	0.00822	0.02486	0.03309	0.00757	0.00977	0.01734	—	53.0331	53.0331	0.00215	0.00092	0.00617	53.3659
2028	0.57149	0.56333	0.34153	0.44616	0.00086	0.01035	0.00536	0.01571	0.00950	0.00130	0.01080	—	79.5006	79.5006	0.00319	0.00132	0.00934	79.9835

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.28950	1.08354	9.07446	10.7681	0.02508	0.38896	1.59075	1.97971	0.35784	0.17176	0.52961	—	2,715.88	2,715.88	0.11017	0.02203	0.00000	2,725.20
2028	347.855	347.832	14.7631	19.8492	0.03493	0.48668	0.00000	0.48668	0.44775	0.00000	0.44775	—	3,445.20	3,445.20	0.13975	0.02795	0.00000	3,457.02
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.63491	1.37378	12.1813	13.8677	0.02312	0.53897	7.08448	7.62345	0.49585	3.42502	3.92088	—	2,455.46	2,455.46	0.09960	0.01992	0.00000	2,463.88
2028	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	0.00000	0.28471	0.26194	0.00000	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	0.00000	2,208.97

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17524	0.14629	1.25889	1.50552	0.00296	0.04482	0.11884	0.16366	0.04124	0.04927	0.09051	—	290.498	290.498	0.01178	0.00236	0.00000	291.495
2028	3.11385	3.07120	1.82500	2.31515	0.00456	0.05639	0.00000	0.05639	0.05188	0.00000	0.05188	—	434.410	434.410	0.01762	0.00352	0.00000	435.901
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03198	0.02670	0.22975	0.27476	0.00054	0.00818	0.02169	0.02987	0.00753	0.00899	0.01652	—	48.0953	48.0953	0.00195	0.00039	0.00000	48.2603
2028	0.56828	0.56049	0.33306	0.42251	0.00083	0.01029	0.00000	0.01029	0.00947	0.00000	0.00947	—	71.9215	71.9215	0.00292	0.00058	0.00000	72.1683

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03198	0.02970	0.02017	0.24015	0.00000	0.00000	0.04663	0.04663	0.00000	0.01093	0.01093	—	45.3549	45.3549	0.00149	0.00212	0.17790	46.2007
2028	0.15011	0.13547	0.26405	1.10420	0.00086	0.00172	0.24356	0.24529	0.00086	0.05846	0.05933	—	324.100	324.100	0.01056	0.02633	0.98845	333.199
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.09217	0.08064	0.49640	0.71414	0.00222	0.00423	0.15030	0.15328	0.00423	0.03894	0.04317	—	398.642	398.642	0.02084	0.05690	0.02144	416.139
2028	0.08806	0.07756	0.23854	0.67113	0.00086	0.00172	0.15030	0.15202	0.00086	0.03660	0.03747	—	232.846	232.846	0.00875	0.02285	0.01714	239.890
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01051	0.00903	0.03213	0.07895	0.00012	0.00023	0.01741	0.01764	0.00023	0.00427	0.00450	—	29.8246	29.8246	0.00121	0.00317	0.03729	30.8381
2028	0.01759	0.01553	0.04638	0.12959	0.00017	0.00033	0.02935	0.02969	0.00017	0.00714	0.00731	—	45.7779	45.7779	0.00164	0.00446	0.05644	47.2038
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.00192	0.00165	0.00586	0.01441	0.00002	0.00004	0.00318	0.00322	0.00004	0.00078	0.00082	—	4.93780	4.93780	0.00020	0.00053	0.00617	5.10560
2028	0.00321	0.00283	0.00846	0.02365	0.00003	0.00006	0.00536	0.00542	0.00003	0.00130	0.00133	—	7.57905	7.57905	0.00027	0.00074	0.00934	7.81512

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.	4.78202	4.41092	7.44315	21.0396	0.05509	0.26262	2.30527	2.56789	0.24655	0.58462	0.83116	42.0922	6,394.01	6,436.10	0.57156	0.24329	8.61537	6,531.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.45355	4.10322	7.54559	19.6660	0.05461	0.25916	2.30527	2.56443	0.24393	0.58462	0.82855	42.0922	6,348.63	6,390.72	0.58358	0.25040	0.49639	6,480.42
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.22552	3.92148	5.76506	17.8692	0.04663	0.19014	2.26763	2.45777	0.17877	0.57521	0.75397	42.0922	5,482.92	5,525.02	0.54379	0.24179	3.87930	5,614.54
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.77116	0.71567	1.05212	3.26113	0.00851	0.03470	0.41384	0.44854	0.03262	0.10497	0.13760	6.96884	907.761	914.729	0.09003	0.04003	0.64226	929.552

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	1.92422	1.79756	1.26266	10.6743	0.02457	0.01808	2.30626	2.32435	0.01697	0.58489	0.60185	—	2,504.99	2,504.99	0.13656	0.12124	8.33510	2,552.87
Area	1.59714	1.57028	0.01647	1.95714	0.00012	0.00348	—	0.00348	0.00263	—	0.00263	—	8.04810	8.04810	0.00034	0.00007	—	8.07712
Energy	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	862.172	862.172	0.09489	0.00612	—	866.368
Water	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Waste	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Off-Road	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06

Stationa	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Vegetation	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Total	4.78202	4.41092	7.44315	21.0396	0.05509	0.26262	2.30527	2.56789	0.24655	0.58462	0.83116	42.0922	6,394.01	6,436.10	0.57156	0.24329	8.61537	6,531.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.94409	1.81133	1.38157	11.2579	0.02420	0.01810	2.30626	2.32436	0.01698	0.58489	0.60186	—	2,467.66	2,467.66	0.14892	0.12842	0.21612	2,509.87
Area	1.24880	1.24880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	862.172	862.172	0.09489	0.00612	—	866.368
Water	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Waste	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Off-Road	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Stationary	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Vegetation	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Total	4.45355	4.10322	7.54559	19.6660	0.05461	0.25916	2.30527	2.56443	0.24393	0.58462	0.82855	42.0922	6,348.63	6,390.72	0.58358	0.25040	0.49639	6,480.42
[redacted]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
[redacted]	1.92142	[redacted]	1[redacted]	[redacted]0.9037	0.02422	0.01809	2.26862	[redacted]	0.01697	0.57547	0.59245	—	2,469.20	2,469.20	0.14429	0.12684	3.59903	2,514.20
[redacted]	1.42059	[redacted]	[redacted]	[redacted]96516	0.00006	0.00171	—	[redacted]	[redacted]00130	—	0.00130	—	3.96893	3.96893	0.00017	0.00003	—	3.98324
Energy	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	862.172	862.172	0.09489	0.00612	—	866.368
Water	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Waste	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Off-Road	0.82593	0.69401	3.87613	5.56656	0.01946	0.13197	—	0.13197	0.12142	—	0.12142	—	2,107.01	2,107.01	0.08547	0.01709	—	2,114.24
Stationary	0.00148	0.00135	0.00703	0.00543	0.00001	0.00059	0.00000	0.00059	0.00059	0.00000	0.00059	0.00000	0.69001	0.69001	0.00003	0.00001	0.00000	0.69232

Vegetati	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.344
Total	4.22552	3.92148	5.76506	17.8692	0.04663	0.19014	2.26763	2.45777	0.17877	0.57521	0.75397	42.0922	5,482.92	5,525.02	0.54379	0.24179	3.87930	5,614.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35066	0.32686	0.24914	1.98992	0.00442	0.00330	0.41402	0.41732	0.00310	0.10502	0.10812	—	408.804	408.804	0.02389	0.02100	0.59586	416.255
Area	0.25926	0.25684	0.00148	0.17614	0.00001	0.00031	—	0.00031	0.00024	—	0.00024	—	0.65710	0.65710	0.00003	0.00001	—	0.65947
Energy	0.01024	0.00512	0.09308	0.07818	0.00056	0.00707	—	0.00707	0.00707	—	0.00707	—	142.742	142.742	0.01571	0.00101	—	143.437
Water	—	—	—	—	—	—	—	—	—	—	—	6.85834	10.1381	16.9965	0.02520	0.01518	—	22.1507
Waste	—	—	—	—	—	—	—	—	—	—	—	0.11050	0.00000	0.11050	0.01104	0.00000	—	0.38660
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04640	0.04640
Off-Road	0.15073	0.12666	0.70739	1.01590	0.00355	0.02409	—	0.02409	0.02216	—	0.02216	—	348.839	348.839	0.01415	0.00283	—	350.036
Stationary	0.00027	0.00025	0.00128	0.00099	< 0.000005	0.00011	0.00000	0.00011	0.00011	0.00000	0.00011	0.00000	0.11424	0.11424	< 0.000005	< 0.000005	0.00000	0.11462
Vegetation	—	-0.00005	-0.00025	—	-0.00003	-0.00018	-0.00018	-0.00036	-0.00005	-0.00005	-0.00010	—	-3.53388	-3.53388	—	—	—	-3.53388
Total	0.77116	0.71567	1.05212	3.26113	0.00851	0.03470	0.41384	0.44854	0.03262	0.10497	0.13760	6.96884	907.761	914.729	0.09003	0.04003	0.64226	929.552

2.5. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.92422	1.79756	1.26266	10.6743	0.02457	0.01808	2.30626	2.32435	0.01697	0.58489	0.60185	—	2,504.99	2,504.99	0.13656	0.12124	8.33510	2,552.87
Area	1.59714	1.57028	0.01647	1.95714	0.00012	0.00348	—	0.00348	0.00263	—	0.00263	—	8.04810	8.04810	0.00034	0.00007	—	8.07712
Energy	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	862.172	862.172	0.09489	0.00612	—	866.368
Water	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Waste	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027

Off-Road	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Stationary	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Vegetation	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Total	4.78202	4.41092	7.44315	21.0396	0.05509	0.26262	2.30527	2.56789	0.24655	0.58462	0.83116	42.0922	6,394.01	6,436.10	0.57156	0.24329	8.61537	6,531.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.94409	1.81133	1.38157	11.2579	0.02420	0.01810	2.30626	2.32436	0.01698	0.58489	0.60186	—	2,467.66	2,467.66	0.14892	0.12842	0.21612	2,509.87
Area	1.24880	1.24880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	862.172	862.172	0.09489	0.00612	—	866.368
Water	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Waste	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Off-Road	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Stationary	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Vegetation	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Total	4.45355	4.10322	7.54559	19.6660	0.05461	0.25916	2.30527	2.56443	0.24393	0.58462	0.82855	42.0922	6,348.63	6,390.72	0.58358	0.25040	0.49639	6,480.42
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.92142	1.79100	1.36517	10.9037	0.02422	0.01809	2.26862	2.28671	0.01697	0.57547	0.59245	—	2,469.20	2,469.20	0.14429	0.12684	3.59903	2,514.20
Area	1.42059	1.40734	0.00812	0.96516	0.00006	0.00171	—	0.00171	0.00130	—	0.00130	—	3.96893	3.96893	0.00017	0.00003	—	3.98324
Energy	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	862.172	862.172	0.09489	0.00612	—	866.368
Water	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Waste	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027

Off-Road	0.82593	0.69401	3.87613	5.56656	0.01946	0.13197	—	0.13197	0.12142	—	0.12142	—	2,107.01	2,107.01	0.08547	0.01709	—	2,114.24
Stationary	0.00148	0.00135	0.00703	0.00543	0.00001	0.00059	0.00000	0.00059	0.00059	0.00000	0.00059	0.00000	0.69001	0.69001	0.00003	0.00001	0.00000	0.69232
Vegetation	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Total	4.22552	3.92148	5.76506	17.8692	0.04663	0.19014	2.26763	2.45777	0.17877	0.57521	0.75397	42.0922	5,482.92	5,525.02	0.54379	0.24179	3.87930	5,614.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35066	0.32686	0.24914	1.98992	0.00442	0.00330	0.41402	0.41732	0.00310	0.10502	0.10812	—	408.804	408.804	0.02389	0.02100	0.59586	416.255
Area	0.25926	0.25684	0.00148	0.17614	0.00001	0.00031	—	0.00031	0.00024	—	0.00024	—	0.65710	0.65710	0.00003	0.00001	—	0.65947
Energy	0.01024	0.00512	0.09308	0.07818	0.00056	0.00707	—	0.00707	0.00707	—	0.00707	—	142.742	142.742	0.01571	0.00101	—	143.437
Water	—	—	—	—	—	—	—	—	—	—	—	6.85834	10.1381	16.9965	0.02520	0.01518	—	22.1507
Waste	—	—	—	—	—	—	—	—	—	—	—	0.11050	0.00000	0.11050	0.01104	0.00000	—	0.38660
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04640	0.04640
Off-Road	0.15073	0.12666	0.70739	1.01590	0.00355	0.02409	—	0.02409	0.02216	—	0.02216	—	348.839	348.839	0.01415	0.00283	—	350.036
Stationary	0.00027	0.00025	0.00128	0.00099	< 0.000005	0.00011	0.00000	0.00011	0.00011	0.00000	0.00011	0.00000	0.11424	0.11424	< 0.000005	< 0.000005	0.00000	0.11462
Vegetation	—	-0.00005	-0.00025	—	-0.00003	-0.00018	-0.00018	-0.00036	-0.00005	-0.00005	-0.00010	—	-3.53388	-3.53388	—	—	—	-3.53388
Total	0.77116	0.71567	1.05212	3.26113	0.00851	0.03470	0.41384	0.44854	0.03262	0.10497	0.13760	6.96884	907.761	914.729	0.09003	0.04003	0.64226	929.552

3. Construction Emissions Details

3.1. Site Preparation (2027)

3.1.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28950	1.08354	9.07446	10.7681	0.02508	0.38896	—	0.38896	0.35784	—	0.35784	—	2,715.88	2,715.88	0.11017	0.02203	—	2,725.20
Dust From Material Movement	—	—	—	—	—	—	1.59075	1.59075	—	0.17176	0.17176	—	—	—	—	—	—	—
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	0.01766	0.01484	0.12431	0.14751	0.00034	0.00533	—	0.00533	0.00490	—	0.00490	—	37.2038	37.2038	0.00151	0.00030	—	37.3315
Dust From Material Movement	—	—	—	—	—	—	0.02179	0.02179	—	0.00235	0.00235	—	—	—	—	—	—	—
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	0.00322	0.00271	0.02269	0.02692	0.00006	0.00097	—	0.00097	0.00089	—	0.00089	—	6.15951	6.15951	0.00025	0.00005	—	6.18065
Dust From Material Movement	—	—	—	—	—	—	0.00398	0.00398	—	0.00043	0.00043	—	—	—	—	—	—	—

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	0.03198	0.02970	0.02017	0.24015	0.00000	0.00000	0.04663	0.04663	0.00000	0.01093	0.01093	—	45.3549	45.3549	0.00149	0.00212	0.17790	46.2007
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	0.00044	0.00041	0.00030	0.00329	0.00000	0.00000	0.00063	0.00063	0.00000	0.00015	0.00015	—	0.60921	0.60921	0.00002	0.00003	0.00105	0.61946
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	0.00008	0.00007	0.00006	0.00060	0.00000	0.00000	0.00011	0.00011	0.00000	0.00003	0.00003	—	0.10086	0.10086	< 0.000005	< 0.000005	0.00017	0.10256
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.3. Onsite - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28950	1.08354	9.07446	10.7681	0.02508	0.38896	—	0.38896	0.35784	—	0.35784	—	2,715.88	2,715.88	0.11017	0.02203	—	2,725.20
Dust From Material Movement	—	—	—	—	—	—	1.59075	1.59075	—	0.17176	0.17176	—	—	—	—	—	—	—
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	0.01766	0.01484	0.12431	0.14751	0.00034	0.00533	—	0.00533	0.00490	—	0.00490	—	37.2038	37.2038	0.00151	0.00030	—	37.3315
Dust From Material Movement	—	—	—	—	—	—	0.02179	0.02179	—	0.00235	0.00235	—	—	—	—	—	—	—
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	0.00322	0.00271	0.02269	0.02692	0.00006	0.00097	—	0.00097	0.00089	—	0.00089	—	6.15951	6.15951	0.00025	0.00005	—	6.18065
Dust From Material Movement	—	—	—	—	—	—	0.00398	0.00398	—	0.00043	0.00043	—	—	—	—	—	—	—

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

3.1.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03198	0.02970	0.02017	0.24015	0.00000	0.00000	0.04663	0.04663	0.00000	0.01093	0.01093	—	45.3549	45.3549	0.00149	0.00212	0.17790	46.2007
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	0.00044	0.00041	0.00030	0.00329	0.00000	0.00000	0.00063	0.00063	0.00000	0.00015	0.00015	—	0.60921	0.60921	0.00002	0.00003	0.00105	0.61946
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	0.00008	0.00007	0.00006	0.00060	0.00000	0.00000	0.00011	0.00011	0.00000	0.00003	0.00003	—	0.10086	0.10086	< 0.000005	< 0.000005	0.00017	0.10256
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2. Grading (2027)

3.2.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	7.08448	7.08448	—	3.42502	3.42502	—	—	—	—	—	—	—
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	0.02240	0.01882	0.16687	0.18997	0.00031	0.00738	—	0.00738	0.00679	—	0.00679	—	33.6364	33.6364	0.00136	0.00027	—	33.7518
Dust From Material Movement	—	—	—	—	—	—	0.09705	0.09705	—	0.04692	0.04692	—	—	—	—	—	—	—
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	0.00409	0.00343	0.03045	0.03467	0.00006	0.00135	—	0.00135	0.00124	—	0.00124	—	5.56889	5.56889	0.00023	0.00005	—	5.58800
Dust From Material Movement	—	—	—	—	—	—	0.01771	0.01771	—	0.00856	0.00856	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04308	0.04004	0.02994	0.33052	0.00000	0.00000	0.06218	0.06218	0.00000	0.01457	0.01457	—	59.2396	59.2396	0.00243	0.00282	0.00616	60.1473
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	0.02550	0.00688	0.46646	0.15767	0.00222	0.00423	0.08688	0.09111	0.00423	0.02436	0.02860	—	339.402	339.402	0.01841	0.05407	0.01528	355.992
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00058	0.00054	0.00040	0.00438	0.00000	0.00000	0.00084	0.00084	0.00000	0.00020	0.00020	—	0.81228	0.81228	0.00003	0.00004	0.00140	0.82595
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	0.00035	0.00010	0.00642	0.00215	0.00003	0.00006	0.00117	0.00123	0.00006	0.00033	0.00039	—	4.64849	4.64849	0.00025	0.00074	0.00348	4.87902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00010	0.00007	0.00080	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.13448	0.13448	0.00001	0.00001	0.00023	0.13675
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	0.00006	0.00002	0.00117	0.00039	0.00001	0.00001	0.00021	0.00023	0.00001	0.00006	0.00007	—	0.76961	0.76961	0.00004	0.00012	0.00058	0.80778

3.2.3. Onsite - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	7.08448	7.08448	—	3.42502	3.42502	—	—	—	—	—	—	—
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	0.02240	0.01882	0.16687	0.18997	0.00031	0.00738	—	0.00738	0.00679	—	0.00679	—	33.6364	33.6364	0.00136	0.00027	—	33.7518
Dust From Material Movement	—	—	—	—	—	—	0.09705	0.09705	—	0.04692	0.04692	—	—	—	—	—	—	—
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	0.00409	0.00343	0.03045	0.03467	0.00006	0.00135	—	0.00135	0.00124	—	0.00124	—	5.56889	5.56889	0.00023	0.00005	—	5.58800
Dust From Material Movement	—	—	—	—	—	—	0.01771	0.01771	—	0.00856	0.00856	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04308	0.04004	0.02994	0.33052	0.00000	0.00000	0.06218	0.06218	0.00000	0.01457	0.01457	—	59.2396	59.2396	0.00243	0.00282	0.00616	60.1473
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	0.02550	0.00688	0.46646	0.15767	0.00222	0.00423	0.08688	0.09111	0.00423	0.02436	0.02860	—	339.402	339.402	0.01841	0.05407	0.01528	355.992
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00058	0.00054	0.00040	0.00438	0.00000	0.00000	0.00084	0.00084	0.00000	0.00020	0.00020	—	0.81228	0.81228	0.00003	0.00004	0.00140	0.82595
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	0.00035	0.00010	0.00642	0.00215	0.00003	0.00006	0.00117	0.00123	0.00006	0.00033	0.00039	—	4.64849	4.64849	0.00025	0.00074	0.00348	4.87902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00010	0.00007	0.00080	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.13448	0.13448	0.00001	0.00001	0.00023	0.13675
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	0.00006	0.00002	0.00117	0.00039	0.00001	0.00001	0.00021	0.00023	0.00001	0.00006	0.00007	—	0.76961	0.76961	0.00004	0.00012	0.00058	0.80778

3.3. Building Construction (2027)

3.3.1. Onsite - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
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	0.13518	0.11263	0.96771	1.16804	0.00231	0.03211	—	0.03211	0.02954	—	0.02954	—	219.658	219.658	0.00891	0.00178	—	220.412
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	0.02467	0.02055	0.17661	0.21317	0.00042	0.00586	—	0.00586	0.00539	—	0.00539	—	36.3669	36.3669	0.00148	0.00030	—	36.4917
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08142	0.07567	0.05658	0.62468	0.00000	0.00000	0.11751	0.11751	0.00000	0.02754	0.02754	—	111.963	111.963	0.00458	0.00533	0.01164	113.678

Vendor	0.01075	0.00498	0.19551	0.08946	0.00086	0.00172	0.03279	0.03451	0.00172	0.00906	0.01078	—	126.002	126.002	0.00491	0.01837	0.00725	131.607
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	0.00804	0.00747	0.00556	0.06035	0.00000	0.00000	0.01154	0.01154	0.00000	0.00270	0.00270	—	11.1850	11.1850	0.00042	0.00053	0.01931	11.3734
Vendor	0.00109	0.00051	0.01944	0.00878	0.00009	0.00017	0.00323	0.00340	0.00017	0.00089	0.00106	—	12.5696	12.5696	0.00049	0.00183	0.01204	13.1403
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	0.00147	0.00136	0.00102	0.01101	0.00000	0.00000	0.00211	0.00211	0.00000	0.00049	0.00049	—	1.85181	1.85181	0.00007	0.00009	0.00320	1.88299
Vendor	0.00020	0.00009	0.00355	0.00160	0.00002	0.00003	0.00059	0.00062	0.00003	0.00016	0.00019	—	2.08103	2.08103	0.00008	0.00030	0.00199	2.17553
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
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	0.13518	0.11263	0.96771	1.16804	0.00231	0.03211	—	0.03211	0.02954	—	0.02954	—	219.658	219.658	0.00891	0.00178	—	220.412

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	0.02467	0.02055	0.17661	0.21317	0.00042	0.00586	—	0.00586	0.00539	—	0.00539	—	36.3669	36.3669	0.00148	0.00030	—	36.4917
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08142	0.07567	0.05658	0.62468	0.00000	0.00000	0.11751	0.11751	0.00000	0.02754	0.02754	—	111.963	111.963	0.00458	0.00533	0.01164	113.678
Vendor	0.01075	0.00498	0.19551	0.08946	0.00086	0.00172	0.03279	0.03451	0.00172	0.00906	0.01078	—	126.002	126.002	0.00491	0.01837	0.00725	131.607
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	0.00804	0.00747	0.00556	0.06035	0.00000	0.00000	0.01154	0.01154	0.00000	0.00270	0.00270	—	11.1850	11.1850	0.00042	0.00053	0.01931	11.3734
Vendor	0.00109	0.00051	0.01944	0.00878	0.00009	0.00017	0.00323	0.00340	0.00017	0.00089	0.00106	—	12.5696	12.5696	0.00049	0.00183	0.01204	13.1403
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	0.00147	0.00136	0.00102	0.01101	0.00000	0.00000	0.00211	0.00211	0.00000	0.00049	0.00049	—	1.85181	1.85181	0.00007	0.00009	0.00320	1.88299
Vendor	0.00020	0.00009	0.00355	0.00160	0.00002	0.00003	0.00059	0.00062	0.00003	0.00016	0.00019	—	2.08103	2.08103	0.00008	0.00030	0.00199	2.17553
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Building Construction (2028)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
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	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
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	0.25077	0.20895	1.78804	2.26115	0.00448	0.05516	—	0.05516	0.05075	—	0.05075	—	426.497	426.497	0.01730	0.00346	—	427.961
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	0.04577	0.03813	0.32632	0.41266	0.00082	0.01007	—	0.01007	0.00926	—	0.00926	—	70.6115	70.6115	0.00286	0.00057	—	70.8538

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	0.07808	0.07275	0.04633	0.56993	0.00000	0.00000	0.11751	0.11751	0.00000	0.02754	0.02754	—	112.240	112.240	0.00333	0.00492	0.41161	114.200
Vendor	0.01005	0.00498	0.18094	0.08195	0.00086	0.00172	0.03279	0.03451	0.00086	0.00906	0.00992	—	122.782	122.782	0.00459	0.01751	0.25017	128.365
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	0.07850	0.07275	0.05208	0.58609	0.00000	0.00000	0.11751	0.11751	0.00000	0.02754	0.02754	—	109.954	109.954	0.00417	0.00533	0.01064	111.658
Vendor	0.00956	0.00481	0.18646	0.08504	0.00086	0.00172	0.03279	0.03451	0.00086	0.00906	0.00992	—	122.893	122.893	0.00459	0.01751	0.00649	128.232
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	0.01521	0.01409	0.00993	0.11000	0.00000	0.00000	0.02240	0.02240	0.00000	0.00524	0.00524	—	21.3219	21.3219	0.00073	0.00103	0.03444	21.6824
Vendor	0.00192	0.00100	0.03614	0.01619	0.00017	0.00033	0.00627	0.00660	0.00017	0.00173	0.00190	—	23.7965	23.7965	0.00089	0.00339	0.02094	24.8507
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	0.00278	0.00257	0.00181	0.02007	0.00000	0.00000	0.00409	0.00409	0.00000	0.00096	0.00096	—	3.53008	3.53008	0.00012	0.00017	0.00570	3.58977
Vendor	0.00035	0.00018	0.00660	0.00296	0.00003	0.00006	0.00114	0.00120	0.00003	0.00032	0.00035	—	3.93978	3.93978	0.00015	0.00056	0.00347	4.11432
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
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	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
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	0.25077	0.20895	1.78804	2.26115	0.00448	0.05516	—	0.05516	0.05075	—	0.05075	—	426.497	426.497	0.01730	0.00346	—	427.961
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	0.04577	0.03813	0.32632	0.41266	0.00082	0.01007	—	0.01007	0.00926	—	0.00926	—	70.6115	70.6115	0.00286	0.00057	—	70.8538
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07808	0.07275	0.04633	0.56993	0.00000	0.00000	0.11751	0.11751	0.00000	0.02754	0.02754	—	112.240	112.240	0.00333	0.00492	0.41161	114.200
Vendor	0.01005	0.00498	0.18094	0.08195	0.00086	0.00172	0.03279	0.03451	0.00086	0.00906	0.00992	—	122.782	122.782	0.00459	0.01751	0.25017	128.365
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	0.07850	0.07275	0.05208	0.58609	0.00000	0.00000	0.11751	0.11751	0.00000	0.02754	0.02754	—	109.954	109.954	0.00417	0.00533	0.01064	111.658
Vendor	0.00956	0.00481	0.18646	0.08504	0.00086	0.00172	0.03279	0.03451	0.00086	0.00906	0.00992	—	122.893	122.893	0.00459	0.01751	0.00649	128.232
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	0.01521	0.01409	0.00993	0.11000	0.00000	0.00000	0.02240	0.02240	0.00000	0.00524	0.00524	—	21.3219	21.3219	0.00073	0.00103	0.03444	21.6824
Vendor	0.00192	0.00100	0.03614	0.01619	0.00017	0.00033	0.00627	0.00660	0.00017	0.00173	0.00190	—	23.7965	23.7965	0.00089	0.00339	0.02094	24.8507
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	0.00278	0.00257	0.00181	0.02007	0.00000	0.00000	0.00409	0.00409	0.00000	0.00096	0.00096	—	3.53008	3.53008	0.00012	0.00017	0.00570	3.58977
Vendor	0.00035	0.00018	0.00660	0.00296	0.00003	0.00006	0.00114	0.00120	0.00003	0.00032	0.00035	—	3.93978	3.93978	0.00015	0.00056	0.00347	4.11432
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Paving (2028)

3.5.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73039	0.61281	5.53389	8.17802	0.01181	0.20197	—	0.20197	0.18581	—	0.18581	—	1,243.79	1,243.79	0.05045	0.01009	—	1,248.05
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00400	0.00336	0.03032	0.04481	0.00006	0.00111	—	0.00111	0.00102	—	0.00102	—	6.81527	6.81527	0.00028	0.00006	—	6.83866
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00073	0.00061	0.00553	0.00818	0.00001	0.00020	—	0.00020	0.00019	—	0.00019	—	1.12835	1.12835	0.00005	0.00001	—	1.13222
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06197	0.05774	0.03677	0.45232	0.00000	0.00000	0.09326	0.09326	0.00000	0.02186	0.02186	—	89.0790	89.0790	0.00265	0.00390	0.32667	90.6347
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	0.00034	0.00032	0.00022	0.00247	0.00000	0.00000	0.00050	0.00050	0.00000	0.00012	0.00012	—	0.47861	0.47861	0.00002	0.00002	0.00077	0.48670
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	0.00006	0.00006	0.00004	0.00045	0.00000	0.00000	0.00009	0.00009	0.00000	0.00002	0.00002	—	0.07924	0.07924	< 0.000005	< 0.000005	0.00013	0.08058
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73039	0.61281	5.53389	8.17802	0.01181	0.20197	—	0.20197	0.18581	—	0.18581	—	1,243.79	1,243.79	0.05045	0.01009	—	1,248.05
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00400	0.00336	0.03032	0.04481	0.00006	0.00111	—	0.00111	0.00102	—	0.00102	—	6.81527	6.81527	0.00028	0.00006	—	6.83866
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00073	0.00061	0.00553	0.00818	0.00001	0.00020	—	0.00020	0.00019	—	0.00019	—	1.12835	1.12835	0.00005	0.00001	—	1.13222
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06197	0.05774	0.03677	0.45232	0.00000	0.00000	0.09326	0.09326	0.00000	0.02186	0.02186	—	89.0790	89.0790	0.00265	0.00390	0.32667	90.6347
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	0.00034	0.00032	0.00022	0.00247	0.00000	0.00000	0.00050	0.00050	0.00000	0.00012	0.00012	—	0.47861	0.47861	0.00002	0.00002	0.00077	0.48670
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	0.00006	0.00006	0.00004	0.00045	0.00000	0.00000	0.00009	0.00009	0.00000	0.00002	0.00002	—	0.07924	0.07924	< 0.000005	< 0.000005	0.00013	0.08058
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Architectural Coating (2028)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	347.725	347.725	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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-Roa Equipment	0.00107	0.00088	0.00664	0.00919	0.00001	0.00013	—	0.00013	0.00012	—	0.00012	—	1.09740	1.09740	0.00004	0.00001	—	1.10117
Architectural Coatings	2.85801	2.85801	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00019	0.00016	0.00121	0.00168	< 0.000005	0.00002	—	0.00002	0.00002	—	0.00002	—	0.18169	0.18169	0.00001	< 0.000005	—	0.18231
Architectural Coatings	0.52159	0.52159	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01562	0.01455	0.00927	0.11399	0.00000	0.00000	0.02350	0.02350	0.00000	0.00551	0.00551	—	22.4479	22.4479	0.00067	0.00098	0.08232	22.8399
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	0.00013	0.00012	0.00008	0.00093	0.00000	0.00000	0.00019	0.00019	0.00000	0.00004	0.00004	—	0.18091	0.18091	0.00001	0.00001	0.00029	0.18397
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	0.00002	0.00002	0.00002	0.00017	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02995	0.02995	< 0.000005	< 0.000005	0.00005	0.03046
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	347.725	347.725	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00107	0.00088	0.00664	0.00919	0.00001	0.00013	—	0.00013	0.00012	—	0.00012	—	1.09740	1.09740	0.00004	0.00001	—	1.10117

Architect Coatings	2.85801	2.85801	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00019	0.00016	0.00121	0.00168	< 0.000005	0.00002	—	0.00002	0.00002	—	0.00002	—	0.18169	0.18169	0.00001	< 0.000005	—	0.18231
Architectural Coatings	0.52159	0.52159	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01562	0.01455	0.00927	0.11399	0.00000	0.00000	0.02350	0.02350	0.00000	0.00551	0.00551	—	22.4479	22.4479	0.00067	0.00098	0.08232	22.8399
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	0.00013	0.00012	0.00008	0.00093	0.00000	0.00000	0.00019	0.00019	0.00000	0.00004	0.00004	—	0.18091	0.18091	0.00001	0.00001	0.00029	0.18397
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	0.00002	0.00002	0.00002	0.00017	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02995	0.02995	< 0.000005	< 0.000005	0.00005	0.03046
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	1.92422	1.79756	1.26266	10.6743	0.02457	0.01808	2.30626	2.32435	0.01697	0.58489	0.60185	—	2,504.99	2,504.99	0.13656	0.12124	8.33510	2,552.87
Total	1.92422	1.79756	1.26266	10.6743	0.02457	0.01808	2.30626	2.32435	0.01697	0.58489	0.60185	—	2,504.99	2,504.99	0.13656	0.12124	8.33510	2,552.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	1.94409	1.81133	1.38157	11.2579	0.02420	0.01810	2.30626	2.32436	0.01698	0.58489	0.60186	—	2,467.66	2,467.66	0.14892	0.12842	0.21612	2,509.87
Total	1.94409	1.81133	1.38157	11.2579	0.02420	0.01810	2.30626	2.32436	0.01698	0.58489	0.60186	—	2,467.66	2,467.66	0.14892	0.12842	0.21612	2,509.87
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.35066	0.32686	0.24914	1.98992	0.00442	0.00330	0.41402	0.41732	0.00310	0.10502	0.10812	—	408.804	408.804	0.02389	0.02100	0.59586	416.255
Total	0.35066	0.32686	0.24914	1.98992	0.00442	0.00330	0.41402	0.41732	0.00310	0.10502	0.10812	—	408.804	408.804	0.02389	0.02100	0.59586	416.255

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	1.92422	1.79756	1.26266	10.6743	0.02457	0.01808	2.30626	2.32435	0.01697	0.58489	0.60185	—	2,504.99	2,504.99	0.13656	0.12124	8.33510	2,552.87
Total	1.92422	1.79756	1.26266	10.6743	0.02457	0.01808	2.30626	2.32435	0.01697	0.58489	0.60185	—	2,504.99	2,504.99	0.13656	0.12124	8.33510	2,552.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	1.94409	1.81133	1.38157	11.2579	0.02420	0.01810	2.30626	2.32436	0.01698	0.58489	0.60186	—	2,467.66	2,467.66	0.14892	0.12842	0.21612	2,509.87
Total	1.94409	1.81133	1.38157	11.2579	0.02420	0.01810	2.30626	2.32436	0.01698	0.58489	0.60186	—	2,467.66	2,467.66	0.14892	0.12842	0.21612	2,509.87
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.35066	0.32686	0.24914	1.98992	0.00442	0.00330	0.41402	0.41732	0.00310	0.10502	0.10812	—	408.804	408.804	0.02389	0.02100	0.59586	416.255
Total	0.35066	0.32686	0.24914	1.98992	0.00442	0.00330	0.41402	0.41732	0.00310	0.10502	0.10812	—	408.804	408.804	0.02389	0.02100	0.59586	416.255

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Total	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Total	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	41.9951	41.9951	0.00679	0.00082	—	42.4104
Total	—	—	—	—	—	—	—	—	—	—	—	—	41.9951	41.9951	0.00679	0.00082	—	42.4104

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Total	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Total	—	—	—	—	—	—	—	—	—	—	—	—	253.653	253.653	0.04104	0.00497	—	256.161
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	41.9951	41.9951	0.00679	0.00082	—	42.4104
Total	—	—	—	—	—	—	—	—	—	—	—	—	41.9951	41.9951	0.00679	0.00082	—	42.4104

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Total	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Total	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.01024	0.00512	0.09308	0.07818	0.00056	0.00707	—	0.00707	0.00707	—	0.00707	—	100.747	100.747	0.00892	0.00019	—	101.027
Total	0.01024	0.00512	0.09308	0.07818	0.00056	0.00707	—	0.00707	0.00707	—	0.00707	—	100.747	100.747	0.00892	0.00019	—	101.027

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Total	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Total	0.05610	0.02805	0.51000	0.42840	0.00306	0.03876	—	0.03876	0.03876	—	0.03876	—	608.519	608.519	0.05385	0.00115	—	610.207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	0.01024	0.00512	0.09308	0.07818	0.00056	0.00707	—	0.00707	0.00707	—	0.00707	—	100.747	100.747	0.00892	0.00019	—	101.027
Total	0.01024	0.00512	0.09308	0.07818	0.00056	0.00707	—	0.00707	0.00707	—	0.00707	—	100.747	100.747	0.00892	0.00019	—	101.027

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.96300	0.96300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28580	0.28580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.34834	0.32148	0.01647	1.95714	0.00012	0.00348	—	0.00348	0.00263	—	0.00263	—	8.04810	8.04810	0.00034	0.00007	—	8.07712
Total	1.59714	1.57028	0.01647	1.95714	0.00012	0.00348	—	0.00348	0.00263	—	0.00263	—	8.04810	8.04810	0.00034	0.00007	—	8.07712
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.96300	0.96300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28580	0.28580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.24880	1.24880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.17575	0.17575	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05216	0.05216	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.03135	0.02893	0.00148	0.17614	0.00001	0.00031	—	0.00031	0.00024	—	0.00024	—	0.65710	0.65710	0.00003	0.00001	—	0.65947
Total	0.25926	0.25684	0.00148	0.17614	0.00001	0.00031	—	0.00031	0.00024	—	0.00024	—	0.65710	0.65710	0.00003	0.00001	—	0.65947

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.96300	0.96300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28580	0.28580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.34834	0.32148	0.01647	1.95714	0.00012	0.00348	—	0.00348	0.00263	—	0.00263	—	8.04810	8.04810	0.00034	0.00007	—	8.07712
Total	1.59714	1.57028	0.01647	1.95714	0.00012	0.00348	—	0.00348	0.00263	—	0.00263	—	8.04810	8.04810	0.00034	0.00007	—	8.07712
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.96300	0.96300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28580	0.28580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.24880	1.24880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	0.17575	0.17575	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05216	0.05216	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03135	0.02893	0.00148	0.17614	0.00001	0.00031	—	0.00031	0.00024	—	0.00024	—	0.65710	0.65710	0.00003	0.00001	—	0.65947
Total	0.25926	0.25684	0.00148	0.17614	0.00001	0.00031	—	0.00031	0.00024	—	0.00024	—	0.65710	0.65710	0.00003	0.00001	—	0.65947

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Total	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Total	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	6.85834	10.1381	16.9965	0.02520	0.01518	—	22.1507
Total	—	—	—	—	—	—	—	—	—	—	—	6.85834	10.1381	16.9965	0.02520	0.01518	—	22.1507

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Total	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Total	—	—	—	—	—	—	—	—	—	—	—	41.4247	61.2348	102.660	0.15224	0.09170	—	133.791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	6.85834	10.1381	16.9965	0.02520	0.01518	—	22.1507
Total	—	—	—	—	—	—	—	—	—	—	—	6.85834	10.1381	16.9965	0.02520	0.01518	—	22.1507

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Total	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Arena	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Total	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	0.11050	0.00000	0.11050	0.01104	0.00000	—	0.38660
Total	—	—	—	—	—	—	—	—	—	—	—	0.11050	0.00000	0.11050	0.01104	0.00000	—	0.38660

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Total	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Total	—	—	—	—	—	—	—	—	—	—	—	0.66742	0.00000	0.66742	0.06671	0.00000	—	2.33508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	0.11050	0.00000	0.11050	0.01104	0.00000	—	0.38660
Total	—	—	—	—	—	—	—	—	—	—	—	0.11050	0.00000	0.11050	0.01104	0.00000	—	0.38660

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04640	0.04640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04640	0.04640

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28027	0.28027
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04640	0.04640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04640	0.04640

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/ Loaders/ Backhoes	0.11285	0.09482	0.95896	1.91610	0.00268	0.02624	—	0.02624	0.02414	—	0.02414	—	290.285	290.285	0.01178	0.00236	—	291.281
Off-Highway Trucks	1.04663	0.87946	4.48253	5.89849	0.02464	0.15903	—	0.15903	0.14631	—	0.14631	—	2,667.63	2,667.63	0.10821	0.02164	—	2,676.78
Total	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/ Loaders/ Backhoes	0.11285	0.09482	0.95896	1.91610	0.00268	0.02624	—	0.02624	0.02414	—	0.02414	—	290.285	290.285	0.01178	0.00236	—	291.281
Off-Highway Trucks	1.04663	0.87946	4.48253	5.89849	0.02464	0.15903	—	0.15903	0.14631	—	0.14631	—	2,667.63	2,667.63	0.10821	0.02164	—	2,676.78
Total	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/ Loaders/ Backhoes	0.01467	0.01233	0.12466	0.24909	0.00035	0.00341	—	0.00341	0.00314	—	0.00314	—	34.2345	34.2345	0.00139	0.00028	—	34.3520

Off-Highway Trucks	0.13606	0.11433	0.58273	0.76680	0.00320	0.02067	—	0.02067	0.01902	—	0.01902	—	314.605	314.605	0.01276	0.00255	—	315.684
Total	0.15073	0.12666	0.70739	1.01590	0.00355	0.02409	—	0.02409	0.02216	—	0.02216	—	348.839	348.839	0.01415	0.00283	—	350.036

4.7.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.11285	0.09482	0.95896	1.91610	0.00268	0.02624	—	0.02624	0.02414	—	0.02414	—	290.285	290.285	0.01178	0.00236	—	291.281
Off-Highway Trucks	1.04663	0.87946	4.48253	5.89849	0.02464	0.15903	—	0.15903	0.14631	—	0.14631	—	2,667.63	2,667.63	0.10821	0.02164	—	2,676.78
Total	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.11285	0.09482	0.95896	1.91610	0.00268	0.02624	—	0.02624	0.02414	—	0.02414	—	290.285	290.285	0.01178	0.00236	—	291.281
Off-Highway Trucks	1.04663	0.87946	4.48253	5.89849	0.02464	0.15903	—	0.15903	0.14631	—	0.14631	—	2,667.63	2,667.63	0.10821	0.02164	—	2,676.78
Total	1.15948	0.97429	5.44149	7.81459	0.02732	0.18527	—	0.18527	0.17045	—	0.17045	—	2,957.91	2,957.91	0.11999	0.02400	—	2,968.06
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Tractors/ Loaders/ Backhoes	0.01467	0.01233	0.12466	0.24909	0.00035	0.00341	—	0.00341	0.00314	—	0.00314	—	34.2345	34.2345	0.00139	0.00028	—	34.3520
Off-Highway Trucks	0.13606	0.11433	0.58273	0.76680	0.00320	0.02067	—	0.02067	0.01902	—	0.01902	—	314.605	314.605	0.01276	0.00255	—	315.684
Total	0.15073	0.12666	0.70739	1.01590	0.00355	0.02409	—	0.02409	0.02216	—	0.02216	—	348.839	348.839	0.01415	0.00283	—	350.036

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Total	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Total	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.00027	0.00025	0.00128	0.00099	< 0.000005	0.00011	0.00000	0.00011	0.00011	0.00000	0.00011	0.00000	0.11424	0.11424	< 0.000005	< 0.000005	0.00000	0.11462
Total	0.00027	0.00025	0.00128	0.00099	< 0.000005	0.00011	0.00000	0.00011	0.00011	0.00000	0.00011	0.00000	0.11424	0.11424	< 0.000005	< 0.000005	0.00000	0.11462

4.8.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Total	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Total	0.04508	0.04102	0.21393	0.16514	0.00020	0.01802	0.00000	0.01802	0.01802	0.00000	0.01802	0.00000	20.9879	20.9879	0.00084	0.00016	0.00000	21.0579
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.00027	0.00025	0.00128	0.00099	< 0.000005	0.00011	0.00000	0.00011	0.00011	0.00000	0.00011	0.00000	0.11424	0.11424	< 0.000005	< 0.000005	0.00000	0.11462
Total	0.00027	0.00025	0.00128	0.00099	< 0.000005	0.00011	0.00000	0.00011	0.00011	0.00000	0.00011	0.00000	0.11424	0.11424	< 0.000005	< 0.000005	0.00000	0.11462

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)

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.6267 7
Subtotal	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.6267 7
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.718 1
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.718 1
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
Subtotal	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.344 8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.6267 7
Subtotal	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.6267 7
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.718 1
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.718 1
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

callerya	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
Subtotal	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	-0.00005	-0.00010	—	-0.00002	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	-0.60045	-0.60045	—	—	—	-0.60045
Subtotal	—	-0.00005	-0.00010	—	-0.00002	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	-0.60045	-0.60045	—	—	—	-0.60045
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	—	—	—	—	—	—	—	—	—	—	-2.93343	-2.93343	—	—	—	-2.93343
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-2.93343	-2.93343	—	—	—	-2.93343
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	-0.00016	—	-0.00001	-0.00014	-0.00014	-0.00029	-0.00004	-0.00004	-0.00008	—	—	—	—	—	—	—
Subtotal	—	—	-0.00016	—	-0.00001	-0.00014	-0.00014	-0.00029	-0.00004	-0.00004	-0.00008	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00005	-0.00025	—	-0.00003	-0.00018	-0.00018	-0.00036	-0.00005	-0.00005	-0.00010	—	-3.53388	-3.53388	—	—	—	-3.53388

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.62677

Subtotal	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.6267
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.7181
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.7181
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
Subtotal	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.3448
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.62677
Subtotal	—	-0.00027	-0.00054	—	-0.00013	-0.00020	-0.00020	-0.00040	-0.00005	-0.00005	-0.00011	—	-3.62677	-3.62677	—	—	—	-3.62677
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.7181
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-17.7181	-17.7181	—	—	—	-17.7181
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
Subtotal	—	—	-0.00086	—	-0.00005	-0.00079	-0.00079	-0.00158	-0.00022	-0.00022	-0.00043	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	-0.00027	-0.00140	—	-0.00018	-0.00099	-0.00099	-0.00198	-0.00027	-0.00027	-0.00054	—	-21.3448	-21.3448	—	—	—	-21.344
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	-0.00005	-0.00010	—	-0.00002	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	-0.60045	-0.60045	—	—	—	-0.60045
Subtotal	—	-0.00005	-0.00010	—	-0.00002	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	-0.60045	-0.60045	—	—	—	-0.60045
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	—	—	—	—	—	—	—	—	—	—	-2.93343	-2.93343	—	—	—	-2.93343
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-2.93343	-2.93343	—	—	—	-2.93343
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
callerya	—	—	-0.00016	—	-0.00001	-0.00014	-0.00014	-0.00029	-0.00004	-0.00004	-0.00008	—	—	—	—	—	—	—
Subtotal	—	—	-0.00016	—	-0.00001	-0.00014	-0.00014	-0.00029	-0.00004	-0.00004	-0.00008	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00005	-0.00025	—	-0.00003	-0.00018	-0.00018	-0.00036	-0.00005	-0.00005	-0.00010	—	-3.53388	-3.53388	—	—	—	-3.53388

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	9/8/2027	9/14/2027	5.00000	5.00000	—
Grading	Grading	11/4/2027	11/10/2027	5.00000	5.00000	—
Building Construction	Building Construction	11/11/2027	4/8/2028	5.00000	107.000	—
Paving	Paving	4/8/2028	4/11/2028	5.00000	2.00000	—
Architectural Coating	Architectural Coating	4/12/2028	4/15/2028	5.00000	3.00000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	7.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
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/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Site Preparation	Tractors/Loaders/Back	Diesel	Average	1.000000	7.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	7.50000	8.80000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT

Grading	Worker	10.00000	8.80000	LDA,LDT1,LDT2
Grading	Vendor	—	5.30000	HHDT,MHDT
Grading	Hauling	4.80000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	18.9000	8.80000	LDA,LDT1,LDT2
Building Construction	Vendor	7.37550	5.30000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	8.80000	LDA,LDT1,LDT2
Paving	Vendor	—	5.30000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	3.78000	8.80000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	7.50000	8.80000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	8.80000	LDA,LDT1,LDT2
Grading	Vendor	—	5.30000	HHDT,MHDT
Grading	Hauling	4.80000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	18.9000	8.80000	LDA,LDT1,LDT2

Building Construction	Vendor	7.37550	5.30000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	8.80000	LDA,LDT1,LDT2
Paving	Vendor	—	5.30000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	3.78000	8.80000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30000	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	0.00000	0.00000	67,500.0	22,500.0	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	7.50000	0.00000	0.00000
Grading	189.000	—	15.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.00000

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	Arena	0.00000	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	203.983	0.03300	0.00400
2028	0.00000	203.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Arena	482.095	482.095	482.095	175,965	3,266.20	3,266.20	3,266.20	1,192,163

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Arena	482.095	482.095	482.095	175,965	3,266.20	3,266.20	3,266.20	1,192,163

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)

Arena	Wood Fireplaces	0	0
Arena	Gas Fireplaces	0	0
Arena	Propane Fireplaces	0	0
Arena	Electric Fireplaces	0	0
Arena	No Fireplaces	0	0
Arena	Conventional Wood Stoves	0	0
Arena	Catalytic Wood Stoves	0	0
Arena	Non-Catalytic Wood Stoves	0	0
Arena	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)
0.00000	0.00000	67,500.0	22,500.0	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Arena	453,877	203.983	0.0330	0.0040	1,898,743

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Arena	453,877	203.983	0.0330	0.0040	1,898,743

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Arena	19,384,655	1,212,191

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Arena	19,384,655	1,212,191

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Arena	1.23840	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Arena	1.23840	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
Arena	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Arena	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Arena	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Arena	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Arena	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Arena	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000

Off-Highway Trucks	Diesel	Average	2.00000	8.00000	376.000	0.38000

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Off-Highway Trucks	Diesel	Average	2.00000	8.00000	376.000	0.38000

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.000000	1.000000	12.0000	25.0000	0.73000

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

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
callerya	35.0000	59,919.2	257.900

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
callerya	35.0000	59,919.2	257.900

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	14.9700	annual days of extreme heat
Extreme Precipitation	7.10000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth

Wildfire	45.7300	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	3	2	0	N/A
Extreme Precipitation	4	1	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	1	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	1	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	3	1	2	2
Extreme Precipitation	4	1	2	3

Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	1	1	2	1
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

6.4.1. Wildfire

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
WF-10: Adopt WUI Building Standards	Improved Public Health	—	1.000000	1.000000
WF-1: Implement Fire-safe Landscaping	Improved Air Quality, Improved Ecosystem Health, Improved Public Health	—	1.000000	—
WF-7: Develop Fire Risk Assessment for New Development	Improved Public Health	1.000000	1.000000	—
WF-2: Install Fire Suppression Systems and Improve Structural Strength	Improved Air Quality, Improved Public Health	—	1.000000	—

6.4.2. Temperature and Extreme Heat

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
D-3: Install Drought Resistant Landscaping	Water Conservation	—	1.000000	2.00000

6.4.3. Extreme Precipitation

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
EP-3: Install Stormwater Cistern/Retention Basin	Water Conservation	—	1.000000	—
EP-5: Upgrade Wastewater Systems	Improved Ecosystem Health, Water Conservation	—	—	2.00000

6.4.4. Drought

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
D-3: Install Drought Resistant Landscaping	Water Conservation	—	1.000000	2.00000

6.4.5. Air Quality Degradation

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
WF-2: Install Fire Suppression Systems and Improve Structural Strength	Improved Air Quality, Improved Public Health	—	1.000000	—

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	22.2153
AQ-PM	2.22775
AQ-DPM	0.93342
Drinking Water	68.3777
Lead Risk Housing	18.3869

Pesticides	54.5172
Toxic Releases	7.80195
Traffic	1.83750
Effect Indicators	—
CleanUp Sites	0.00000
Groundwater	6.97327
Haz Waste Facilities/Generators	50.1390
Impaired Water Bodies	0.00000
Solid Waste	86.5063
Sensitive Population	—
Asthma	22.3081
Cardio-vascular	11.1665
Low Birth Weights	66.8335
Socioeconomic Factor Indicators	—
Education	18.3624
Housing	51.7744
Linguistic	21.4237
Poverty	30.0377
Unemployment	1.90005

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	72.29564994
Employed	72.42397023
Median HI	78.7501604
Education	—

Bachelor's or higher	81.48338252
High school enrollment	100
Preschool enrollment	56.34543821
Transportation	—
Auto Access	68.11240857
Active commuting	76.14525857
Social	—
2-parent households	98.56281278
Voting	99.29423842
Neighborhood	—
Alcohol availability	58.05209804
Park access	7.635057103
Retail density	4.978827153
Supermarket access	2.399589375
Tree canopy	84.25510073
Housing	—
Homeownership	79.23777749
Housing habitability	79.4174259
Low-inc homeowner severe housing cost burden	35.91684845
Low-inc renter severe housing cost burden	98.16501989
Uncrowded housing	72.73193892
Health Outcomes	—
Insured adults	71.16643141
Arthritis	0.0
Asthma ER Admissions	87.4
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	92.0
Cognitively Disabled	62.4
Physically Disabled	49.3
Heart Attack ER Admissions	89.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
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	4.9
SLR Inundation Area	0.0
Children	86.0
Elderly	8.4
English Speaking	51.8
Foreign-born	23.2
Outdoor Workers	19.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	97.1
Traffic Density	3.0

Traffic Access	0.0
Other Indices	—
Hardship	12.9
Other Decision Support	—
2016 Voting	98.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	11.0000
Healthy Places Index Score for Project Location (b)	86.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Project Details	Area is rural (agricultural/equestrian larger lots), not suburban.

Land Use	Added description
Construction: Construction Phases	Guestimate of work days.
Construction: Dust From Material Movement	Used Applicant estimate of import

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	14.4643	2.56000
Landscape Area	sq. ft	—	101,495
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
Site Preparation	Site Preparation	Start Date	6/30/2027	9/8/2027
Site Preparation	Site Preparation	End Date	7/4/2027	9/14/2027
Site Preparation	Site Preparation	Work Days per Phase	3.00000	5.00000
Grading	Grading	Start Date	7/5/2027	11/4/2027
Grading	Grading	End Date	7/13/2027	11/10/2027
Grading	Grading	Work Days per Phase	6.00000	5.00000
Building Construction	Building Construction	Start Date	7/14/2027	11/11/2027
Building Construction	Building Construction	End Date	5/17/2028	4/8/2028
Building Construction	Building Construction	Work Days per Phase	220.000	107.000
Paving	Paving	Start Date	5/18/2028	4/8/2028
Paving	Paving	End Date	6/1/2028	4/11/2028
Paving	Paving	Work Days per Phase	10.00000	2.00000
Architectural Coating	Architectural Coating	Start Date	6/2/2028	4/12/2028
Architectural Coating	Architectural Coating	End Date	6/16/2028	4/15/2028

Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	3.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Imported	Cubic Yards	—	189.000
Grading	Total Acres Graded	acres	5.00000	15.0000