Appendix A

Air Quality and Greenhouse Gas Emissions CalEEMod Output Files

13230 Talbert Regional Park Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	13230 Talbert Regional Park
Construction Start Date	9/1/2027
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	19.2000
Location	33.64531902553304, -117.95074417422475
County	Orange
City	Costa Mesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5911
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Parking Lot	0.90000	1000sqft	0.02066	900.000	0.00000	0.00000	—	—

City Park	27.0000	Acre	27.0000	0.00000	27.0000	27.0000	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.44169	1.55434	21.5900	19.0381	0.07758	0.64275	4.26147	4.90422	0.59963	1.55529	2.15493	—	10,674.4	10,674.4	0.71294	1.31166	16.0393	11,099.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.83227	3.19257	27.1351	34.1669	0.07758	1.12182	4.26147	4.90422	1.03251	1.55529	2.15493	—	10,665.1	10,665.1	0.71330	1.31166	0.41567	11,074.2
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.58073	0.48412	4.23000	5.08120	0.01293	0.17658	0.59269	0.73441	0.16252	0.20575	0.33718	—	1,727.16	1,727.16	0.10386	0.17107	0.95020	1,781.69
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10598	0.08835	0.77198	0.92732	0.00236	0.03223	0.10817	0.13403	0.02966	0.03755	0.06154	—	285.952	285.952	0.01719	0.02832	0.15732	294.979

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	2.44169	1.55434	21.5900	19.0381	0.07758	0.64275	4.26147	4.90422	0.59963	1.55529	2.15493	—	10,674.4	10,674.4	0.71294	1.31166	16.0393	11,099.2
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.43132	1.77963	21.9798	19.1471	0.07758	0.64275	4.26147	4.90422	0.59963	1.55529	2.15493	—	10,665.1	10,665.1	0.71330	1.31166	0.41567	11,074.2
2028	3.83227	3.19257	27.1351	34.1669	0.05642	1.12182	0.93731	2.05913	1.03251	0.22831	1.26081	—	6,871.66	6,871.66	0.26795	0.17185	0.09387	6,929.66
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.51536	0.36980	4.23000	4.23928	0.01293	0.14172	0.59269	0.73441	0.13143	0.20575	0.33718	—	1,727.16	1,727.16	0.10386	0.17107	0.95020	1,781.69
2028	0.58073	0.48412	4.15171	5.08120	0.00852	0.17658	0.11729	0.29387	0.16252	0.02869	0.19120	—	1,021.97	1,021.97	0.04024	0.02431	0.20481	1,030.43
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.09405	0.06749	0.77198	0.77367	0.00236	0.02586	0.10817	0.13403	0.02399	0.03755	0.06154	—	285.952	285.952	0.01719	0.02832	0.15732	294.979
2028	0.10598	0.08835	0.75769	0.92732	0.00156	0.03223	0.02141	0.05363	0.02966	0.00524	0.03489	—	169.199	169.199	0.00666	0.00403	0.03391	170.599

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	1.63491	1.37378	12.1813	13.8677	0.02508	0.53897	1.85427	2.39324	0.49585	0.89237	1.38822	—	2,715.88	2,715.88	0.11017	0.02203	0.00000	2,725.20
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.98683	1.66894	14.6384	17.3978	0.02780	0.62155	1.85427	2.39324	0.57182	0.89237	1.38822	—	2,987.73	2,987.73	0.12120	0.02424	0.00000	2,997.98
2028	3.60006	3.02394	26.2283	31.5611	0.05102	1.11642	0.00000	1.11642	1.02711	0.00000	1.02711	—	5,479.37	5,479.37	0.22227	0.04445	0.00000	5,498.17
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.40231	0.33801	2.96330	3.44600	0.00589	0.12865	0.24561	0.37426	0.11836	0.11185	0.23021	—	636.518	636.518	0.02582	0.00516	0.00000	638.703

2028	0.55108	0.46296	4.02656	4.74334	0.00776	0.17582	0.00000	0.17582	0.16175	0.00000	0.16175	—	836.602	836.602	0.03394	0.00679	0.00000	839.473
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.07342	0.06169	0.54080	0.62890	0.00108	0.02348	0.04482	0.06830	0.02160	0.02041	0.04201	—	105.383	105.383	0.00427	0.00085	0.00000	105.744
2028	0.10057	0.08449	0.73485	0.86566	0.00142	0.03209	0.00000	0.03209	0.02952	0.00000	0.02952	—	138.509	138.509	0.00562	0.00112	0.00000	138.984

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	0.80678	0.18056	9.40873	5.17040	0.05491	0.10378	2.40720	2.51098	0.10378	0.66292	0.76670	—	8,218.99	8,218.99	0.61334	1.29174	16.0393	8,635.30
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.79640	0.16974	9.79848	5.06937	0.05491	0.10378	2.40720	2.51098	0.10378	0.66292	0.76670	—	8,209.62	8,209.62	0.61369	1.29174	0.41567	8,610.32
2028	0.23221	0.16863	0.90682	2.60578	0.00540	0.00540	0.93731	0.94271	0.00540	0.22831	0.23370	—	1,392.29	1,392.29	0.04568	0.12739	0.09387	1,431.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.11306	0.03180	1.26670	0.79328	0.00704	0.01307	0.34709	0.36015	0.01307	0.09390	0.10696	—	1,090.65	1,090.65	0.07804	0.16590	0.95020	1,142.99
2028	0.02965	0.02116	0.12515	0.33786	0.00076	0.00076	0.11729	0.11805	0.00076	0.02869	0.02945	—	185.368	185.368	0.00630	0.01753	0.20481	190.953
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02063	0.00580	0.23117	0.14477	0.00129	0.00238	0.06334	0.06573	0.00238	0.01714	0.01952	—	180.569	180.569	0.01292	0.02747	0.15732	189.234
2028	0.00541	0.00386	0.02284	0.06166	0.00014	0.00014	0.02141	0.02154	0.00014	0.00524	0.00537	—	30.6899	30.6899	0.00104	0.00290	0.03391	31.6145

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.	0.24629	0.22461	0.15198	1.87466	0.00505	0.00290	0.49737	0.50027	0.00269	0.12624	0.12894	1.27441	678.332	679.606	0.16401	0.02086	1.45475	691.379
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23793	0.21656	0.16476	1.69775	0.00485	0.00284	0.49737	0.50020	0.00264	0.12624	0.12888	1.27441	658.397	659.672	0.16477	0.02171	0.03772	670.300
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.24122	0.21951	0.16671	1.76728	0.00490	0.00288	0.49124	0.49413	0.00268	0.12471	0.12739	1.27441	663.840	665.115	0.16464	0.02178	0.62815	676.351
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.04402	0.04006	0.03043	0.32253	0.00089	0.00053	0.08965	0.09018	0.00049	0.02276	0.02325	0.21099	109.906	110.117	0.02726	0.00361	0.10400	111.978

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.22720	0.20605	0.15165	1.83552	0.00504	0.00283	0.49737	0.50020	0.00264	0.12624	0.12888	—	515.189	515.189	0.02103	0.01892	1.45475	522.808
Area	0.01909	0.01855	0.00033	0.03914	< 0.000005	0.00007	—	0.00007	0.00005	—	0.00005	—	0.16096	0.16096	0.00001	< 0.000005	—	0.16154
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.98111	0.98111	0.00009	0.00001	—	0.98683
Water	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Waste	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	0.24629	0.22461	0.15198	1.87466	0.00505	0.00290	0.49737	0.50027	0.00269	0.12624	0.12894	1.27441	678.332	679.606	0.16401	0.02086	1.45475	691.379

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.22580	0.20443	0.16476	1.69775	0.00485	0.00284	0.49737	0.50020	0.00264	0.12624	0.12888	—	495.415	495.415	0.02180	0.01978	0.03772	501.891
Area	0.01212	0.01212	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.98111	0.98111	0.00009	0.00001	—	0.98683
Water	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Waste	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	0.23793	0.21656	0.16476	1.69775	0.00485	0.00284	0.49737	0.50020	0.00264	0.12624	0.12888	1.27441	658.397	659.672	0.16477	0.02171	0.03772	670.300
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.22433	0.20298	0.16649	1.74047	0.00490	0.00283	0.49124	0.49408	0.00264	0.12471	0.12735	—	500.748	500.748	0.02167	0.01984	0.62815	507.831
Area	0.01690	0.01653	0.00023	0.02681	< 0.000005	0.00005	—	0.00005	0.00004	—	0.00004	—	0.11025	0.11025	< 0.000005	< 0.000005	—	0.11065
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.98111	0.98111	0.00009	0.00001	—	0.98683
Water	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Waste	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	0.24122	0.21951	0.16671	1.76728	0.00490	0.00288	0.49124	0.49413	0.00268	0.12471	0.12739	1.27441	663.840	665.115	0.16464	0.02178	0.62815	676.351
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.04094	0.03704	0.03038	0.31764	0.00089	0.00052	0.08965	0.09017	0.00048	0.02276	0.02324	—	82.9045	82.9045	0.00359	0.00329	0.10400	84.0772
Area	0.00308	0.00302	0.00004	0.00489	< 0.000005	0.00001	—	0.00001	0.00001	—	0.00001	—	0.01825	0.01825	< 0.000005	< 0.000005	—	0.01832
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.16243	0.16243	0.00002	< 0.000005	—	0.16338
Water	—	—	—	—	—	—	—	—	—	—	—	0.00381	26.8212	26.8250	0.00295	0.00032	—	26.9938
Waste	—	—	—	—	—	—	—	—	—	—	—	0.20719	0.00000	0.20719	0.02071	0.00000	—	0.72487
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	0.04402	0.04006	0.03043	0.32253	0.00089	0.00053	0.08965	0.09018	0.00049	0.02276	0.02325	0.21099	109.906	110.117	0.02726	0.00361	0.10400	111.978

3. Construction Emissions Details

3.1. Site Preparation - Overall Site (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	—	—	—	—	—	—	0.41360	0.41360	—	0.04466	0.04466	—	—	—	—	—	—	—
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	0.05299	0.04453	0.37292	0.44252	0.00103	0.01598	—	0.01598	0.01471	—	0.01471	—	111.611	111.611	0.00453	0.00091	—	111.994
Dust From Material Movement	—	—	—	—	—	—	0.01700	0.01700	—	0.00184	0.00184	—	—	—	—	—	—	—
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	0.00967	0.00813	0.06806	0.08076	0.00019	0.00292	—	0.00292	0.00268	—	0.00268	—	18.4785	18.4785	0.00075	0.00015	—	18.5419
Dust From Material Movement	—	—	—	—	—	—	0.00310	0.00310	—	0.00033	0.00033	—	—	—	—	—	—	—
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	0.05326	0.04568	0.04797	0.79119	0.00000	0.00000	0.20914	0.20914	0.00000	0.04902	0.04902	—	204.838	204.838	0.00212	0.00758	0.64949	207.800
Vendor	0.00974	0.00257	0.12279	0.06097	0.00090	0.00090	0.03422	0.03512	0.00090	0.00946	0.01035	—	123.139	123.139	0.00626	0.01681	0.29455	128.599
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	0.00217	0.00186	0.00227	0.02916	0.00000	0.00000	0.00849	0.00849	0.00000	0.00199	0.00199	—	8.12100	8.12100	0.00010	0.00031	0.01154	8.22796
Vendor	0.00040	0.00011	0.00529	0.00253	0.00004	0.00004	0.00139	0.00143	0.00004	0.00038	0.00042	—	5.06162	5.06162	0.00025	0.00069	0.00522	5.27902
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00040	0.00034	0.00041	0.00532	0.00000	0.00000	0.00155	0.00155	0.00000	0.00036	0.00036	—	1.34452	1.34452	0.00002	0.00005	0.00191	1.36223
Vendor	0.00007	0.00002	0.00097	0.00046	0.00001	0.00001	0.00025	0.00026	0.00001	0.00007	0.00008	—	0.83801	0.83801	0.00004	0.00011	0.00086	0.87400
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 (including trail) (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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	—	—	—	—	—	—	1.85427	1.85427	—	0.89237	0.89237	—	—	—	—	—	—	—
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	1.63491	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	—	—	—	—	—	—	1.85427	1.85427	—	0.89237	0.89237	—	—	—	—	—	—	—
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	0.20156	0.16937	1.50181	1.70971	0.00279	0.06645	—	0.06645	0.06113	—	0.06113	—	302.728	302.728	0.01228	0.00246	—	303.766
Dust From Material Movement	—	—	—	—	—	—	0.22861	0.22861	—	0.11002	0.11002	—	—	—	—	—	—	—
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	0.03679	0.03091	0.27408	0.31202	0.00051	0.01213	—	0.01213	0.01116	—	0.01116	—	50.1200	50.1200	0.00203	0.00041	—	50.2920
Dust From Material Movement	—	—	—	—	—	—	0.04172	0.04172	—	0.02008	0.02008	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06658	0.05710	0.05997	0.98899	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	256.048	256.048	0.00265	0.00948	0.81186	259.751
Vendor	0.00974	0.00257	0.12279	0.06097	0.00090	0.00090	0.03422	0.03512	0.00090	0.00946	0.01035	—	123.139	123.139	0.00626	0.01681	0.29455	128.599
Hauling	0.73046	0.12089	9.22598	4.12044	0.05401	0.10288	2.11156	2.21444	0.10288	0.59219	0.69507	—	7,839.80	7,839.80	0.60443	1.26545	14.9329	8,246.95
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06658	0.05666	0.06129	0.85054	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	243.686	243.686	0.00309	0.00948	0.02111	246.609

Vendor	0.00965	0.00249	0.12797	0.06238	0.00090	0.00090	0.03422	0.03512	0.00090	0.00946	0.01035	—	123.204	123.204	0.00617	0.01681	0.00763	128.374
Hauling	0.72018	0.11060	9.60922	4.15645	0.05401	0.10288	2.11156	2.21444	0.10288	0.59219	0.69507	—	7,842.73	7,842.73	0.60443	1.26545	0.38693	8,235.34
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00815	0.00699	0.00851	0.10935	0.00000	0.00000	0.03183	0.03183	0.00000	0.00746	0.00746	—	30.4538	30.4538	0.00038	0.00117	0.04329	30.8549
Vendor	0.00120	0.00032	0.01588	0.00759	0.00011	0.00011	0.00418	0.00429	0.00011	0.00115	0.00127	—	15.1849	15.1849	0.00076	0.00207	0.01565	15.8371
Hauling	0.08974	0.01427	1.19199	0.50990	0.00666	0.01268	0.25782	0.27051	0.01268	0.07238	0.08507	—	966.703	966.703	0.07452	0.15601	0.79446	1,015.85
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00149	0.00127	0.00155	0.01996	0.00000	0.00000	0.00581	0.00581	0.00000	0.00136	0.00136	—	5.04197	5.04197	0.00006	0.00019	0.00717	5.10837
Vendor	0.00022	0.00006	0.00290	0.00139	0.00002	0.00002	0.00076	0.00078	0.00002	0.00021	0.00023	—	2.51403	2.51403	0.00013	0.00034	0.00259	2.62201
Hauling	0.01638	0.00260	0.21754	0.09306	0.00122	0.00231	0.04705	0.04937	0.00231	0.01321	0.01552	—	160.049	160.049	0.01234	0.02583	0.13153	168.186

3.3. Construction - Nature Center (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	1.63491	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
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12158	0.10216	0.90585	1.03126	0.00169	0.04008	—	0.04008	0.03687	—	0.03687	—	182.598	182.598	0.00741	0.00148	—	183.224
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	0.02219	0.01864	0.16532	0.18820	0.00031	0.00731	—	0.00731	0.00673	—	0.00673	—	30.2311	30.2311	0.00123	0.00025	—	30.3349
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	0.06658	0.05666	0.06129	0.85054	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	243.686	243.686	0.00309	0.00948	0.02111	246.609
Vendor	0.02412	0.00622	0.31993	0.15596	0.00225	0.00225	0.08556	0.08781	0.00225	0.02364	0.02589	—	308.009	308.009	0.01543	0.04202	0.01907	320.936
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00492	0.00421	0.00513	0.06595	0.00000	0.00000	0.01920	0.01920	0.00000	0.00450	0.00450	—	18.3689	18.3689	0.00023	0.00070	0.02611	18.6109
Vendor	0.00181	0.00048	0.02395	0.01145	0.00017	0.00017	0.00630	0.00646	0.00017	0.00174	0.00191	—	22.8978	22.8978	0.00115	0.00312	0.02360	23.8813
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	0.00090	0.00077	0.00094	0.01204	0.00000	0.00000	0.00350	0.00350	0.00000	0.00082	0.00082	—	3.04119	3.04119	0.00004	0.00012	0.00432	3.08124
Vendor	0.00033	0.00009	0.00437	0.00209	0.00003	0.00003	0.00115	0.00118	0.00003	0.00032	0.00035	—	3.79100	3.79100	0.00019	0.00052	0.00391	3.95382

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. Construction - Nature Center (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60969	1.35258	11.7838	13.9071	0.02268	0.51580	—	0.51580	0.47453	—	0.47453	—	2,456.26	2,456.26	0.09964	0.01993	—	2,464.69
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	0.27721	0.23293	2.02931	2.39495	0.00391	0.08883	—	0.08883	0.08172	—	0.08172	—	422.997	422.997	0.01716	0.00343	—	424.448
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	0.05059	0.04251	0.37035	0.43708	0.00071	0.01621	—	0.01621	0.01491	—	0.01491	—	70.0319	70.0319	0.00284	0.00057	—	70.2722
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06437	0.05490	0.06041	0.80138	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	239.352	239.352	0.00309	0.00948	0.01878	242.273
Vendor	0.02165	0.00622	0.30737	0.15080	0.00225	0.00225	0.08556	0.08781	0.00225	0.02364	0.02589	—	300.878	300.878	0.01543	0.04202	0.01720	313.803
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01116	0.00953	0.01040	0.14427	0.00000	0.00000	0.04446	0.04446	0.00000	0.01041	0.01041	—	41.7826	41.7826	0.00053	0.00163	0.05404	42.3364
Vendor	0.00377	0.00111	0.05294	0.02567	0.00039	0.00039	0.01458	0.01497	0.00039	0.00403	0.00442	—	51.7979	51.7979	0.00266	0.00724	0.04929	54.0700
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	0.00204	0.00174	0.00190	0.02633	0.00000	0.00000	0.00811	0.00811	0.00000	0.00190	0.00190	—	6.91759	6.91759	0.00009	0.00027	0.00895	7.00928
Vendor	0.00069	0.00020	0.00966	0.00468	0.00007	0.00007	0.00266	0.00273	0.00007	0.00074	0.00081	—	8.57573	8.57573	0.00044	0.00120	0.00816	8.95191
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. Construction (Balboa Boulevard Access Improvements) (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64983	1.38576	12.0352	14.1176	0.02321	0.52562	—	0.52562	0.48357	—	0.48357	—	2,490.75	2,490.75	0.10104	0.02021	—	2,499.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27120	0.22780	1.97839	2.32070	0.00382	0.08640	—	0.08640	0.07949	—	0.07949	—	409.438	409.438	0.01661	0.00332	—	410.843
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	0.04949	0.04157	0.36106	0.42353	0.00070	0.01577	—	0.01577	0.01451	—	0.01451	—	67.7872	67.7872	0.00275	0.00055	—	68.0198
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06437	0.05490	0.06041	0.80138	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	239.352	239.352	0.00309	0.00948	0.01878	242.273

Vendor	0.02165	0.00622	0.30737	0.15080	0.00225	0.00225	0.08556	0.08781	0.00225	0.02364	0.02589	—	300.878	300.878	0.01543	0.04202	0.01720	313.803
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01065	0.00910	0.00993	0.13771	0.00000	0.00000	0.04244	0.04244	0.00000	0.00994	0.00994	—	39.8834	39.8834	0.00051	0.00156	0.05158	40.4120
Vendor	0.00360	0.00106	0.05053	0.02450	0.00037	0.00037	0.01392	0.01429	0.00037	0.00385	0.00422	—	49.4434	49.4434	0.00254	0.00691	0.04705	51.6123
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	0.00194	0.00166	0.00181	0.02513	0.00000	0.00000	0.00775	0.00775	0.00000	0.00181	0.00181	—	6.60315	6.60315	0.00008	0.00026	0.00854	6.69068
Vendor	0.00066	0.00019	0.00922	0.00447	0.00007	0.00007	0.00254	0.00261	0.00007	0.00070	0.00077	—	8.18592	8.18592	0.00042	0.00114	0.00779	8.54500
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. Trenching (maintenance yard electricity connection, and lighting) (2027)

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35192	0.29516	2.45711	3.53011	0.00513	0.08258	—	0.08258	0.07597	—	0.07597	—	532.268	532.268	0.02159	0.00432	—	534.095
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02617	0.02195	0.18272	0.26251	0.00038	0.00614	—	0.00614	0.00565	—	0.00565	—	39.5816	39.5816	0.00161	0.00032	—	39.7174
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	0.00478	0.00401	0.03335	0.04791	0.00007	0.00112	—	0.00112	0.00103	—	0.00103	—	6.55319	6.55319	0.00027	0.00005	—	6.57568
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05326	0.04533	0.04903	0.68043	0.00000	0.00000	0.20914	0.20914	0.00000	0.04902	0.04902	—	194.949	194.949	0.00247	0.00758	0.01689	197.287
Vendor	0.00965	0.00249	0.12797	0.06238	0.00090	0.00090	0.03422	0.03512	0.00090	0.00946	0.01035	—	123.204	123.204	0.00617	0.01681	0.00763	128.374
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	0.00393	0.00337	0.00411	0.05276	0.00000	0.00000	0.01536	0.01536	0.00000	0.00360	0.00360	—	14.6951	14.6951	0.00018	0.00056	0.02089	14.8887
Vendor	0.00072	0.00019	0.00958	0.00458	0.00007	0.00007	0.00252	0.00259	0.00007	0.00070	0.00076	—	9.15913	9.15913	0.00046	0.00125	0.00944	9.55252
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	0.00072	0.00062	0.00075	0.00963	0.00000	0.00000	0.00280	0.00280	0.00000	0.00066	0.00066	—	2.43295	2.43295	0.00003	0.00009	0.00346	2.46499
Vendor	0.00013	0.00003	0.00175	0.00084	0.00001	0.00001	0.00046	0.00047	0.00001	0.00013	0.00014	—	1.51640	1.51640	0.00008	0.00021	0.00156	1.58153

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

3.7. Trenching (maintenance yard electricity connection, and lighting) (2028)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34055	0.28560	2.40919	3.53645	0.00513	0.07500	—	0.07500	0.06900	—	0.06900	—	532.355	532.355	0.02159	0.00432	—	534.182
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	0.00267	0.00224	0.01886	0.02768	0.00004	0.00059	—	0.00059	0.00054	—	0.00054	—	4.16716	4.16716	0.00017	0.00003	—	4.18146
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	0.00049	0.00041	0.00344	0.00505	0.00001	0.00011	—	0.00011	0.00010	—	0.00010	—	0.68992	0.68992	0.00003	0.00001	—	0.69229
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05150	0.04392	0.04833	0.64110	0.00000	0.00000	0.20914	0.20914	0.00000	0.04902	0.04902	—	191.482	191.482	0.00247	0.00758	0.01502	193.819
Vendor	0.00866	0.00249	0.12295	0.06032	0.00090	0.00090	0.03422	0.03512	0.00090	0.00946	0.01035	—	120.351	120.351	0.00617	0.01681	0.00688	125.521
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	0.00041	0.00035	0.00038	0.00525	0.00000	0.00000	0.00162	0.00162	0.00000	0.00038	0.00038	—	1.51937	1.51937	0.00002	0.00006	0.00196	1.53951
Vendor	0.00007	0.00002	0.00096	0.00047	0.00001	0.00001	0.00027	0.00027	0.00001	0.00007	0.00008	—	0.94178	0.94178	0.00005	0.00013	0.00090	0.98309
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	0.00007	0.00006	0.00007	0.00096	0.00000	0.00000	0.00030	0.00030	0.00000	0.00007	0.00007	—	0.25155	0.25155	< 0.000005	0.00001	0.00033	0.25488
Vendor	0.00001	< 0.000005	0.00018	0.00009	< 0.000005	< 0.000005	0.00005	0.00005	< 0.000005	0.00001	0.00001	—	0.15592	0.15592	0.00001	0.00002	0.00015	0.16276
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.22720	0.20605	0.15165	1.83552	0.00504	0.00283	0.49737	0.50020	0.00264	0.12624	0.12888	—	515.189	515.189	0.02103	0.01892	1.45475	522.808
Total	0.22720	0.20605	0.15165	1.83552	0.00504	0.00283	0.49737	0.50020	0.00264	0.12624	0.12888	—	515.189	515.189	0.02103	0.01892	1.45475	522.808
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.22580	0.20443	0.16476	1.69775	0.00485	0.00284	0.49737	0.50020	0.00264	0.12624	0.12888	—	495.415	495.415	0.02180	0.01978	0.03772	501.891
Total	0.22580	0.20443	0.16476	1.69775	0.00485	0.00284	0.49737	0.50020	0.00264	0.12624	0.12888	—	495.415	495.415	0.02180	0.01978	0.03772	501.891
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.04094	0.03704	0.03038	0.31764	0.00089	0.00052	0.08965	0.09017	0.00048	0.02276	0.02324	—	82.9045	82.9045	0.00359	0.00329	0.10400	84.0772
Total	0.04094	0.03704	0.03038	0.31764	0.00089	0.00052	0.08965	0.09017	0.00048	0.02276	0.02324	—	82.9045	82.9045	0.00359	0.00329	0.10400	84.0772

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.74778	0.74778	0.00007	0.00001	—	0.75214
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.23333	0.23333	0.00002	< 0.000005	—	0.23469
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.98111	0.98111	0.00009	0.00001	—	0.98683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.74778	0.74778	0.00007	0.00001	—	0.75214
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.23333	0.23333	0.00002	< 0.000005	—	0.23469
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.98111	0.98111	0.00009	0.00001	—	0.98683
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.12380	0.12380	0.00001	< 0.000005	—	0.12453
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.03863	0.03863	< 0.000005	< 0.000005	—	0.03885
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.16243	0.16243	0.00002	< 0.000005	—	0.16338

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. 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	0.01079	0.01079	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00134	0.00134	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00697	0.00643	0.00033	0.03914	< 0.000005	0.00007	—	0.00007	0.00005	—	0.00005	—	0.16096	0.16096	0.00001	< 0.000005	—	0.16154

Total	0.01909	0.01855	0.00033	0.03914	< 0.000005	0.00007	—	0.00007	0.00005	—	0.00005	—	0.16096	0.16096	0.00001	< 0.000005	—	0.16154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01079	0.01079	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00134	0.00134	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.01212	0.01212	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.00197	0.00197	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00024	0.00024	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00087	0.00080	0.00004	0.00489	< 0.000005	0.00001	—	0.00001	0.00001	—	0.00001	—	0.01825	0.01825	< 0.000005	< 0.000005	—	0.01832
Total	0.00308	0.00302	0.00004	0.00489	< 0.000005	0.00001	—	0.00001	0.00001	—	0.00001	—	0.01825	0.01825	< 0.000005	< 0.000005	—	0.01832

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Total	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Total	—	—	—	—	—	—	—	—	—	—	—	0.02299	162.001	162.024	0.01780	0.00193	—	163.044
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00381	26.8212	26.8250	0.00295	0.00032	—	26.9938
Total	—	—	—	—	—	—	—	—	—	—	—	0.00381	26.8212	26.8250	0.00295	0.00032	—	26.9938

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

City Park	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Total	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Total	—	—	—	—	—	—	—	—	—	—	—	1.25142	0.00000	1.25142	0.12507	0.00000	—	4.37828
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	—	0.20719	0.00000	0.20719	0.02071	0.00000	—	0.72487
Total	—	—	—	—	—	—	—	—	—	—	—	0.20719	0.00000	0.20719	0.02071	0.00000	—	0.72487

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

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 - Overall Site	Site Preparation	9/1/2027	9/21/2027	5.00000	15.0000	Habitat restoration
Grading (including trail)	Grading	9/22/2027	11/23/2027	5.00000	45.0000	Grading overall site
Construction - Nature Center	Building Construction	11/24/2027	3/28/2028	5.00000	90.0000	—
Construction (Balboa Boulevard Access Improvements)	Building Construction	1/1/2028	3/24/2028	5.00000	60.0000	—
Trenching (maintenance yard electricity connection, and lighting)	Trenching	11/24/2027	1/4/2028	5.00000	30.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation - Overall Site	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	7.00000	84.0000	0.37000

Site Preparation - Overall Site	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation - Overall Site	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
Grading (including trail)	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading (including trail)	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Grading (including trail)	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Construction - Nature Center	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Construction - Nature Center	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Construction - Nature Center	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Construction (Balboa Boulevard Access Improvements)	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Construction (Balboa Boulevard Access Improvements)	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Construction (Balboa Boulevard Access Improvements)	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Construction (Balboa Boulevard Access Improvements)	Plate Compactors	Diesel	Average	1.000000	8.00000	8.00000	0.43000
Trenching (maintenance yard electricity connection, and lighting)	Plate Compactors	Diesel	Average	1.000000	8.00000	8.00000	0.43000
Trenching (maintenance yard electricity connection, and lighting)	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000

Trenching (maintenance yard electricity connection, and lighting)	Trenchers	Diesel	Average	1.000000	8.00000	40.0000	0.50000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation - Overall Site	Worker	16.0000	18.5000	LDA,LDT1,LDT2
Site Preparation - Overall Site	Vendor	4.00000	10.2000	HHDT,MHDT
Site Preparation - Overall Site	Hauling	0.00000	20.0000	HHDT
Site Preparation - Overall Site	Onsite truck	0.00000	0.00000	HHDT
Grading (including trail)	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading (including trail)	Vendor	4.00000	10.2000	HHDT,MHDT
Grading (including trail)	Hauling	116.667	20.0000	HHDT
Grading (including trail)	Onsite truck	0.00000	0.00000	HHDT
Construction - Nature Center	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Construction - Nature Center	Vendor	10.00000	10.2000	HHDT,MHDT
Construction - Nature Center	Hauling	0.00000	20.0000	HHDT
Construction - Nature Center	Onsite truck	0.00000	0.00000	HHDT
Construction (Balboa Boulevard Access Improvements)	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Construction (Balboa Boulevard Access Improvements)	Vendor	10.00000	10.2000	HHDT,MHDT
Construction (Balboa Boulevard Access Improvements)	Hauling	0.00000	20.0000	HHDT
Construction (Balboa Boulevard Access Improvements)	Onsite truck	0.00000	0.00000	HHDT
Trenching (maintenance yard electricity connection, and lighting)	Worker	16.0000	18.5000	LDA,LDT1,LDT2

Trenching (maintenance yard electricity connection, and lighting)	Vendor	4.00000	10.2000	HHDT,MHDT
Trenching (maintenance yard electricity connection, and lighting)	Hauling	0.00000	20.0000	HHDT
Trenching (maintenance yard electricity connection, and lighting)	Onsite truck	0.00000	0.00000	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation - Overall Site	0.00000	0.00000	7.50000	0.00000	0.00000
Grading (including trail)	42,000.0	0.00000	30.0000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	531.983	0.03300	0.00400
2028	0.00000	531.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	69.0000	69.0000	69.0000	25,185.0	702.888	702.888	702.888	256,554

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0

City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0
City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	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	750.000	250.000	54.0000

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Parking Lot	788.400	346.196	0.0330	0.0040	0.00000
City Park	246.000	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Parking Lot	0.00000	0.00000
City Park	12,000.0	32,169,996

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Parking Lot	0.00000	0.00000
City Park	2.32200	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
City Park	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.74000	annual days of extreme heat

Extreme Precipitation	3.50000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	46.9944
AQ-PM	55.4076
AQ-DPM	54.6111
Drinking Water	6.18209
Lead Risk Housing	40.0630
Pesticides	0.00000
Toxic Releases	84.5586
Traffic	61.5750

Effect Indicators	—
CleanUp Sites	47.3498
Groundwater	26.3324
Haz Waste Facilities/Generators	11.0788
Impaired Water Bodies	0.00000
Solid Waste	54.8454
Sensitive Population	—
Asthma	9.93270
Cardio-vascular	0.78514
Low Birth Weights	7.95484
Socioeconomic Factor Indicators	—
Education	39.5343
Housing	47.0596
Linguistic	26.4041
Poverty	20.3769
Unemployment	10.6585

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	55.90914924
Employed	88.70781471
Median HI	77.01783652
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	83.10021814

Transportation	—
Auto Access	89.83703323
Active commuting	57.66713717
Social	—
2-parent households	59.61760554
Voting	47.23469781
Neighborhood	—
Alcohol availability	69.9088926
Park access	81.35506224
Retail density	48.8387014
Supermarket access	51.21262672
Tree canopy	68.86949827
Housing	—
Homeownership	74.16912614
Housing habitability	70.40934172
Low-inc homeowner severe housing cost burden	39.2403439
Low-inc renter severe housing cost burden	57.91094572
Uncrowded housing	51.23829077
Health Outcomes	—
Insured adults	22.41755422
Arthritis	47.0
Asthma ER Admissions	77.3
High Blood Pressure	58.0
Cancer (excluding skin)	32.7
Asthma	49.0
Coronary Heart Disease	54.4
Chronic Obstructive Pulmonary Disease	45.1
Diagnosed Diabetes	72.3

Life Expectancy at Birth	34.9
Cognitively Disabled	74.6
Physically Disabled	50.9
Heart Attack ER Admissions	92.8
Mental Health Not Good	52.8
Chronic Kidney Disease	64.9
Obesity	60.5
Pedestrian Injuries	19.6
Physical Health Not Good	56.1
Stroke	64.5
Health Risk Behaviors	—
Binge Drinking	7.5
Current Smoker	49.4
No Leisure Time for Physical Activity	63.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	53.8
Children	72.4
Elderly	64.0
English Speaking	77.2
Foreign-born	52.4
Outdoor Workers	29.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	69.5
Traffic Density	56.2
Traffic Access	23.0
Other Indices	—
Hardship	37.5

Other Decision Support	—
2016 Voting	77.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	10.00000
Healthy Places Index Score for Project Location (b)	75.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction would occur September 2027 through March 2028.
Construction: Off-Road Equipment	Updated prior modeling
Construction: Dust From Material Movement	42,000 Cu Yds of fill
Construction: Trips and VMT	Updated prior modeling

Operations: Vehicle Data	Operations would result in 69 daily trips
Operations: Energy Use	Updated based on 500 sq ft nature center.
Operations: Water and Waste Water	Updated based on 500 sq ft nature center and city park.

8.4. Construction

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Site Preparation - Overall Site	Tractors/Loaders/Backhoes	Number per Day	4.00000	1.000000
Site Preparation - Overall Site	Tractors/Loaders/Backhoes	Hours Per Day	8.00000	7.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Site Preparation - Overall Site	Material Imported	Cubic Yards	—	0.00000
Site Preparation - Overall Site	Material Exported	Cubic Yards	—	0.00000
Site Preparation - Overall Site	Total Acres Graded	acres	22.5000	7.50000
Grading (including trail)	Material Imported	Cubic Yards	—	42,000.0
Grading (including trail)	Material Exported	Cubic Yards	—	0.00000
Grading (including trail)	Total Acres Graded	acres	45.0000	30.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Site Preparation - Overall Site	Worker	One-Way Trips per Day	7.50000	16.0000
Grading (including trail)	Worker	One-Way Trips per Day	10.00000	20.0000
Construction - Nature Center	Worker	One-Way Trips per Day	0.37800	20.0000
Construction - Nature Center	Vendor	One-Way Trips per Day	0.14751	10.00000
Construction (Balboa Boulevard Access Improvements)	Worker	One-Way Trips per Day	0.37800	20.0000

Construction (Balboa Boulevard Access Improvements)	Vendor	One-Way Trips per Day	0.14751	10.00000
Trenching (maintenance yard electricity connection, and lighting)	Worker	One-Way Trips per Day	7.50000	16.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
City Park	Weekday Trip Rate	size/day	0.78000	2.55556
City Park	Saturday Trip Rate	size/day	1.96000	2.55556
City Park	Sunday Trip Rate	size/day	2.19000	2.55556

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
City Park	Electricity	kWh/yr	0.00000	246.000
City Park	Electricity (Subject to Title 24)	kWh/yr	0.00000	246.000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
City Park	Indoor Water	gal/year	0.00000	12,000.0
City Park	Outdoor Water	gal/year	777.622	32,169,996

13230 Talbert Regional Park

Construction

			Gallons	
Source	**Percent**	**Total MTCO2**	**Diesel**	**Gasoline**
2027				
Off-road	36.9%	108.71	10,647	
Electricity	0.0%	0		
Worker	4.2%	12.24		1,394
Vendor	3.0%	8.94	875	
Hauling	56.0%	165	16,172	
Onsite Truck	0.0%	0		
Total	*100.0%*	*295*	*27,694*	*1,394*
2028				
Off-road	81.9%	139.98	13,710	
Electricity	0.0%	0		
Worker	8.1%	13.92		1,363
Vendor	10.0%	17.10	1,675	
Hauling	0.0%	0	0	
Onsite Truck	0.0%	0		
Total	*100.0%*	*171*	*15,385*	*1,363*

Total Petroleum	**45,837**
Total Diesel	43,079
Total Gasoline	2,758
off-road	24,357
trucks	18,722
workers	2,758

Table 2.1 U.S. Default Factors for Calculating CO_2 Emissions from Combustion of Transport Fuels

Fuel Type	Carbon Content (Per Unit Energy)	Heat Content	Fraction Oxidized	CO_2 Emission Factor (Per Unit Volume)
Fuels Measured in Gallons	kg C / MMBtu	MMBtu / barrel		kg CO_2 / gallon
Gasoline	19.2	5.25	1	8.78
Diesel Fuel	20.2	5.80	1	10.21

Constants+N3:S7NN3:Q6		
Fuel	**KgCO2/Gall**	1000 Kg in MT
Gasoline	8.78	
Diesel	10.21	

Source: The Climate Registry 2023