
Appendix A:

Air Quality, Energy, and GHG Supporting Information

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15 Argonaut Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15 Argonaut
Construction Start Date	3/30/2027
Operational Year	2028
Lead Agency	City of Aliso Viejo
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	6.00000
Location	15 Argonaut, Aliso Viejo, CA 92656, USA
County	Orange
City	Aliso Viejo
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	6039
EDFZ	7
Electric Utility	Southern California Edison
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
Condo/Townhouse	58.0000	Dwelling Unit	4.40000	94,061.0	14,092.0	0.00000	173.000	—

2. Emissions Summary

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	3.70557	3.10494	28.2124	29.2367	0.04989	1.17353	5.37649	6.55002	1.07979	2.69061	3.77040	—	5,662.03	5,662.03	0.24939	0.26186	3.28696	5,690.76
2028	1.33384	1.11083	9.21474	14.9748	0.02479	0.30163	0.59889	0.90052	0.27761	0.14260	0.42021	—	3,108.99	3,108.99	0.11221	0.04827	1.92565	3,128.11
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.81816	2.27711	21.6698	20.0140	0.04222	0.81439	1.72988	2.54427	0.75072	0.32708	1.07780	—	5,016.18	5,016.18	0.24972	0.26186	0.08523	5,100.54
2028	21.9616	21.9351	9.24166	14.7020	0.02479	0.30163	0.59889	0.90052	0.27761	0.14260	0.42021	—	3,083.78	3,083.78	0.11326	0.06530	0.04988	3,106.12
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.97860	0.80889	7.16481	9.18452	0.01606	0.26597	0.68858	0.95455	0.24489	0.24077	0.48566	—	1,956.29	1,956.29	0.07927	0.05431	0.50913	1,974.96
2028	2.30878	2.19337	4.78242	7.65509	0.01262	0.15615	0.30592	0.46207	0.14372	0.07284	0.21656	—	1,573.98	1,573.98	0.05794	0.03366	0.42559	1,585.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17859	0.14762	1.30758	1.67617	0.00293	0.04854	0.12567	0.17421	0.04469	0.04394	0.08863	—	323.886	323.886	0.01312	0.00899	0.08429	326.978
2028	0.42135	0.40029	0.87279	1.39705	0.00230	0.02850	0.05583	0.08433	0.02623	0.01329	0.03952	—	260.591	260.591	0.00959	0.00557	0.07046	262.562

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	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	5.11082	6.28256	1.07799	2.62664	3.70463	—	5,297.82	5,297.82	0.21490	0.04298	0.00000	5,316.00
2028	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	0.00000	0.30024	0.27622	0.00000	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	1.15513	1.95107	0.73226	0.17492	0.90718	—	3,426.90	3,426.90	0.13901	0.02780	0.00000	3,438.66
2028	21.9348	21.9122	8.92495	12.9352	0.02340	0.30024	0.00000	0.30024	0.27622	0.00000	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.89981	0.75433	6.84587	8.27414	0.01452	0.26351	0.39556	0.65907	0.24243	0.16945	0.41188	—	1,516.17	1,516.17	0.06150	0.01230	0.00000	1,521.37
2028	2.23200	2.13206	4.61585	6.70892	0.01190	0.15537	0.00000	0.15537	0.14294	0.00000	0.14294	—	1,217.99	1,217.99	0.04941	0.00988	0.00000	1,222.17
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.16422	0.13766	1.24937	1.51003	0.00265	0.04809	0.07219	0.12028	0.04424	0.03092	0.07517	—	251.019	251.019	0.01018	0.00204	0.00000	251.881
2028	0.40734	0.38910	0.84239	1.22438	0.00217	0.02836	0.00000	0.02836	0.02609	0.00000	0.02609	—	201.653	201.653	0.00818	0.00164	0.00000	202.345

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	0.18094	0.12322	1.69957	2.15953	0.00969	0.01845	0.59889	0.60029	0.01845	0.15216	0.17061	—	1,598.03	1,598.03	0.11038	0.23406	3.28696	1,673.83
2028	0.14903	0.11940	0.28979	2.03954	0.00139	0.00180	0.59889	0.60029	0.00180	0.14260	0.14400	—	711.537	711.537	0.01496	0.02882	1.92565	722.424
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17909	0.12216	1.76929	1.87263	0.00969	0.01845	0.59889	0.60029	0.01845	0.15216	0.17061	—	1,589.29	1,589.29	0.11071	0.23406	0.08523	1,661.89
2028	0.14784	0.11848	0.31670	1.76678	0.00139	0.00139	0.59889	0.60029	0.00139	0.14260	0.14400	—	686.318	686.318	0.01601	0.04585	0.04988	700.431

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.07879	0.05457	0.31894	0.91038	0.00153	0.00246	0.29303	0.29548	0.00246	0.07132	0.07378	—	440.119	440.119	0.01777	0.04201	0.50913	453.592
2028	0.07677	0.06131	0.16657	0.94617	0.00072	0.00077	0.30592	0.30670	0.00077	0.07284	0.07362	—	355.990	355.990	0.00853	0.02378	0.42559	363.716
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01438	0.00996	0.05821	0.16614	0.00028	0.00045	0.05348	0.05393	0.00045	0.01302	0.01346	—	72.8667	72.8667	0.00294	0.00696	0.08429	75.0974
2028	0.01401	0.01119	0.03040	0.17268	0.00013	0.00014	0.05583	0.05597	0.00014	0.01329	0.01344	—	58.9382	58.9382	0.00141	0.00394	0.07046	60.2173

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	1.12836	1.03108	0.70676	8.44245	0.02265	0.01286	2.22547	2.23833	0.01198	0.56487	0.57686	—	2,312.81	2,312.81	0.09974	0.08759	6.50925	2,347.92
Area	2.47707	2.46099	0.03116	3.29632	0.00014	0.00154	—	0.00154	0.00116	—	0.00116	0.00000	8.79786	8.79786	0.00037	0.00007	—	8.82881
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	400.497	400.497	0.03818	0.00463	—	402.830
Water	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Waste	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367
Total	3.60543	3.49208	0.73792	11.7388	0.02279	0.01440	2.22547	2.23987	0.01315	0.56487	0.57802	27.3067	2,737.28	2,764.59	2.87975	0.10262	7.18292	2,874.35
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.12145	1.02290	0.76763	7.86759	0.02177	0.01287	2.22547	2.23834	0.01199	0.56487	0.57686	—	2,224.42	2,224.42	0.10379	0.09156	0.16878	2,254.47
Area	2.17420	2.17420	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	400.497	400.497	0.03818	0.00463	—	402.830
Water	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Waste	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Refrig.	—	Appendix A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367

Total	3.29566	3.19711	0.76763	7.86759	0.02177	0.01287	2.22547	2.23834	0.01199	0.56487	0.57686	27.3067	2,640.10	2,667.40	2.88343	0.10653	0.84244	2,772.07
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.11376	1.01537	0.77483	8.05123	0.02201	0.01286	2.21691	2.22977	0.01199	0.56273	0.57472	—	2,248.26	2,248.26	0.10311	0.09182	2.81064	2,281.01
Area	2.38164	2.37063	0.02134	2.25775	0.00010	0.00106	—	0.00106	0.00080	—	0.00080	0.00000	6.02593	6.02593	0.00025	0.00005	—	6.04713
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	400.497	400.497	0.03818	0.00463	—	402.830
Water	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Waste	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367
Total	3.49540	3.38600	0.79617	10.3090	0.02211	0.01392	2.21691	2.23083	0.01278	0.56273	0.57551	27.3067	2,669.96	2,697.27	2.88300	0.10683	3.48431	2,804.66
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.20326	0.18530	0.14141	1.46935	0.00402	0.00235	0.40459	0.40693	0.00219	0.10270	0.10489	—	372.225	372.225	0.01707	0.01520	0.46533	377.648
Area	0.43465	0.43264	0.00390	0.41204	0.00002	0.00019	—	0.00019	0.00015	—	0.00015	0.00000	0.99766	0.99766	0.00004	0.00001	—	1.00117
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	66.3068	66.3068	0.00632	0.00077	—	66.6931
Water	—	—	—	—	—	—	—	—	—	—	—	0.69050	2.51262	3.20312	0.07104	0.00171	—	5.48914
Waste	—	—	—	—	—	—	—	—	—	—	—	3.83043	0.00000	3.83043	0.38284	0.00000	—	13.4014
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11153	0.11153
Total	0.63791	0.61795	0.14530	1.88139	0.00403	0.00254	0.40459	0.40713	0.00233	0.10270	0.10503	4.52093	442.043	446.563	0.47731	0.01769	0.57687	464.344

3. Construction Emissions Details

3.1. Demolition (2027)

3.1.1. Onsite - Unmitigated

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

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

Off-Road Equipment	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	—	0.79594	0.73226	—	0.73226	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	1.15513	1.15513	—	0.17492	0.17492	—	—	—	—	—	—	—
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	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	—	0.79594	0.73226	—	0.73226	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	1.15513	1.15513	—	0.17492	0.17492	—	—	—	—	—	—	—
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	0.18799	0.15777	1.41757	1.32712	0.00232	0.05670	—	0.05670	0.05216	—	0.05216	—	244.108	244.108	0.00990	0.00198	—	244.945
Demolition	—	—	—	—	—	—	0.08228	0.08228	—	0.01246	0.01246	—	—	—	—	—	—	—
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	0.03431	0.02879	0.25871	0.24220	0.00042	0.01035	—	0.01035	0.00952	—	0.00952	—	40.4148	40.4148	0.00164	0.00033	—	40.5535
Demolition	—	—	—	—	—	—	0.01502	0.01502	—	0.00227	0.00227	—	—	—	—	—	—	—
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	0.04993	0.04282	0.04497	0.74175	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	192.036	192.036	0.00198	0.00711	0.60890	194.813
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	0.13100	0.02168	1.65459	0.73896	0.00969	0.01845	0.37869	0.39714	0.01845	0.10620	0.12465	—	1,405.99	1,405.99	0.10840	0.22695	2.67807	1,479.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04993	0.04249	0.04597	0.63791	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	182.764	182.764	0.00231	0.00711	0.01583	184.957
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	0.12916	0.01983	1.72332	0.74542	0.00969	0.01845	0.37869	0.39714	0.01845	0.10620	0.12465	—	1,406.52	1,406.52	0.10840	0.22695	0.06939	1,476.93
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00353	0.00303	0.00369	0.04738	0.00000	0.00000	0.01391	0.01391	0.00000	0.00326	0.00326	—	13.1966	13.1966	0.00016	0.00051	0.01876	13.3704
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	0.00930	0.00148	0.12351	0.05284	0.00069	0.00131	0.02689	0.02821	0.00131	0.00754	0.00886	—	100.169	100.169	0.00772	0.01617	0.08232	105.262
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00055	0.00067	0.00865	0.00000	0.00000	0.00254	0.00254	0.00000	0.00059	0.00059	—	2.18485	2.18485	0.00003	0.00008	0.00311	2.21363
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	0.00170	0.00027	0.02254	0.00964	0.00013	0.00024	0.00491	0.00515	0.00024	0.00138	0.00162	—	16.5841	16.5841	0.00128	0.00268	0.01363	17.4273

3.2. Site Preparation (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R ₁₂	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	—	1.17173	1.07799	—	1.07799	—	5,297.82	5,297.82	0.21490	0.04298	—	5,316.00
Dust From Material Movement	—	—	—	—	—	—	5.11082	5.11082	—	2.62664	2.62664	—	—	—	—	—	—	—
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 Equipm ent	0.12935	0.10869	0.99628	1.00721	0.00174	0.04173	—	0.04173	0.03839	—	0.03839	—	188.689	188.689	0.00765	0.00153	—	189.337
Dust From Material Movement	—	—	—	—	—	—	0.18203	0.18203	—	0.09355	0.09355	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.02361	0.01984	0.18182	0.18382	0.00032	0.00762	—	0.00762	0.00701	—	0.00701	—	31.2397	31.2397	0.00127	0.00025	—	31.3469
Dust From Material Movement	—	—	—	—	—	—	0.03322	0.03322	—	0.01707	0.01707	—	—	—	—	—	—	—

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
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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	0.05826	0.04996	0.05247	0.86537	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	224.042	224.042	0.00231	0.00829	0.71038	227.282
Vendor	0.01554	0.00328	0.18755	0.09201	0.00099	0.00180	0.03692	0.03872	0.00180	0.01035	0.01215	—	140.167	140.167	0.01208	0.02265	0.26111	147.479
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	0.00206	0.00177	0.00215	0.02764	0.00000	0.00000	0.00812	0.00812	0.00000	0.00190	0.00190	—	7.69803	7.69803	0.00010	0.00030	0.01094	7.79942
Vendor	0.00055	0.00011	0.00697	0.00330	0.00004	0.00006	0.00131	0.00138	0.00006	0.00037	0.00043	—	4.99377	4.99377	0.00043	0.00081	0.00401	5.24889
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	0.00038	0.00032	0.00039	0.00504	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	—	1.27450	1.27450	0.00002	0.00005	0.00181	1.29128
Vendor	0.00010	0.00002	0.00127	0.00060	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.82678	0.82678	0.00007	0.00013	0.00066	0.86901
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. Grading (2027)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	1.84247	1.84247	—	0.89058	0.89058	—	—	—	—	—	—	—
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 Equipm ent	0.13448	0.11300	1.01379	1.23050	0.00195	0.04257	—	0.04257	0.03917	—	0.03917	—	210.854	210.854	0.00855	0.00171	—	211.578
Dust From Material Movement	—	—	—	—	—	—	0.13124	0.13124	—	0.06344	0.06344	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.02454	0.02062	0.18502	0.22457	0.00036	0.00777	—	0.00777	0.00715	—	0.00715	—	34.9094	34.9094	0.00142	0.00028	—	35.0292
Dust From Material Movement	—	—	—	—	—	—	0.02395	0.02395	—	0.01158	0.01158	—	—	—	—	—	—	—

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
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3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04993	0.04282	0.04497	0.74175	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	192.036	192.036	0.00198	0.00711	0.60890	194.813
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	0.05707	0.00945	0.72084	0.32194	0.00422	0.00804	0.16498	0.17302	0.00804	0.04627	0.05431	—	612.538	612.538	0.04723	0.09887	1.16673	644.350
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00353	0.00303	0.00369	0.04738	0.00000	0.00000	0.01391	0.01391	0.00000	0.00326	0.00326	—	13.1966	13.1966	0.00016	0.00051	0.01876	13.3704
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	0.00405	0.00064	0.05381	0.02302	0.00030	0.00057	0.01172	0.01229	0.00057	0.00329	0.00386	—	43.6397	43.6397	0.00336	0.00704	0.03586	45.8585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00055	0.00067	0.00865	0.00000	0.00000	0.00254	0.00254	0.00000	0.00059	0.00059	—	2.18485	2.18485	0.00003	0.00008	0.00311	2.21363
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	0.00074	0.00012	0.00982	0.00420	0.00005	0.00010	0.00214	0.00224	0.00010	0.00060	0.00070	—	7.22506	7.22506	0.00056	0.00117	0.00594	7.59240

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44799	0.37487	3.41823	4.70931	0.00852	0.12251	—	0.12251	0.11271	—	0.11271	—	872.518	872.518	0.03539	0.00708	—	875.512
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	0.08176	0.06841	0.62383	0.85945	0.00155	0.02236	—	0.02236	0.02057	—	0.02057	—	144.455	144.455	0.00586	0.00117	—	144.951
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	0.13902	0.11922	0.12521	2.06502	0.00000	0.00000	0.54584	0.54584	0.00000	0.12794	0.12794	—	534.627	534.627	0.00552	0.01979	1.69516	542.359
Vendor	0.01509	0.00399	0.19033	0.09451	0.00139	0.00139	0.05305	0.05444	0.00139	0.01466	0.01605	—	190.871	190.871	0.00971	0.02605	0.45657	199.334
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	0.13902	0.11830	0.12797	1.77593	0.00000	0.00000	0.54584	0.54584	0.00000	0.12794	0.12794	—	508.816	508.816	0.00644	0.01979	0.04408	514.920
Vendor	0.01495	0.00385	0.19837	0.09670	0.00139	0.00139	0.05305	0.05444	0.00139	0.01466	0.01605	—	190.972	190.972	0.00957	0.02605	0.01182	198.987
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	0.05027	0.04306	0.05244	0.67407	0.00000	0.00000	0.19792	0.19792	0.00000	0.04638	0.04638	—	187.734	187.734	0.00235	0.00720	0.26685	190.207
Vendor	0.00549	0.00145	0.07267	0.03475	0.00051	0.00051	0.01925	0.01975	0.00051	0.00532	0.00583	—	69.4911	69.4911	0.00348	0.00948	0.07163	72.4758
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	0.00917	0.00786	0.00957	0.12302	0.00000	0.00000	0.03612	0.03612	0.00000	0.00846	0.00846	—	31.0816	31.0816	0.00039	0.00119	0.04418	31.4909
Vendor	0.00100	0.00027	0.01326	0.00634	0.00009	0.00009	0.00351	0.00361	0.00009	0.00097	0.00106	—	11.5050	11.5050	0.00058	0.00157	0.01186	11.9992
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

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

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

Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54951	0.45982	4.13936	5.99932	0.01085	0.13925	—	0.13925	0.12811	—	0.12811	—	1,111.93	1,111.93	0.04510	0.00902	—	1,115.75
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	0.10029	0.08392	0.75543	1.09488	0.00198	0.02541	—	0.02541	0.02338	—	0.02338	—	184.093	184.093	0.00747	0.00149	—	184.725
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

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	0.13534	0.11554	0.10726	1.94810	0.00000	0.00000	0.54584	0.54584	0.00000	0.12794	0.12794	—	525.091	525.091	0.00552	0.00276	1.51493	527.567
Vendor	0.01370	0.00385	0.18254	0.09145	0.00139	0.00139	0.05305	0.05444	0.00139	0.01466	0.01605	—	186.446	186.446	0.00943	0.02605	0.41072	194.856
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	0.13441	0.11462	0.12613	1.67328	0.00000	0.00000	0.54584	0.54584	0.00000	0.12794	0.12794	—	499.768	499.768	0.00644	0.01979	0.03921	505.867
Vendor	0.01342	0.00385	0.19057	0.09350	0.00139	0.00139	0.05305	0.05444	0.00139	0.01466	0.01605	—	186.550	186.550	0.00957	0.02605	0.01067	194.564
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	0.06277	0.05359	0.05850	0.81129	0.00000	0.00000	0.25218	0.25218	0.00000	0.05910	0.05910	—	234.959	234.959	0.00299	0.00918	0.30387	238.073
Vendor	0.00629	0.00185	0.08840	0.04286	0.00065	0.00065	0.02452	0.02517	0.00065	0.00678	0.00742	—	86.4935	86.4935	0.00444	0.01208	0.08230	90.2876
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	0.01146	0.00978	0.01068	0.14806	0.00000	0.00000	0.04602	0.04602	0.00000	0.01079	0.01079	—	38.9001	38.9001	0.00049	0.00152	0.05031	39.4157
Vendor	0.00115	0.00034	0.01613	0.00782	0.00012	0.00012	0.00448	0.00459	0.00012	0.00124	0.00135	—	14.3200	14.3200	0.00073	0.00200	0.01363	14.9481
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Paving (2028)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.74648	0.62588	5.84990	8.80025	0.01296	0.21041	—	0.21041	0.19358	—	0.19358	—	1,350.28	1,350.28	0.05477	0.01095	—	1,354.92

Paving	0.09472	0.09472	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05317	0.04458	0.41671	0.62687	0.00092	0.01499	—	0.01499	0.01379	—	0.01379	—	96.1844	96.1844	0.00390	0.00078	—	96.5145
Paving	0.00675	0.00675	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00970	0.00814	0.07605	0.11440	0.00017	0.00274	—	0.00274	0.00252	—	0.00252	—	15.9244	15.9244	0.00065	0.00013	—	15.9791
Paving	0.00123	0.00123	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.06482	0.05534	0.05137	0.93300	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	251.480	251.480	0.00265	0.00132	0.72554	252.666
Vendor	0.01545	0.00328	0.18136	0.09030	0.00099	0.00180	0.03692	0.03872	0.00180	0.01035	0.01215	—	136.974	136.974	0.01109	0.02175	0.24053	143.972
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	0.00462	0.00394	0.00430	0.05968	0.00000	0.00000	0.01855	0.01855	0.00000	0.00435	0.00435	—	17.2828	17.2828	0.00022	0.00068	0.02235	17.5119
Vendor	0.00109	0.00022	0.01351	0.00647	0.00007	0.00013	0.00262	0.00275	0.00013	0.00074	0.00086	—	9.76017	9.76017	0.00079	0.00155	0.00738	10.2489
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	0.00084	0.00072	0.00079	0.01089	0.00000	0.00000	0.00339	0.00339	0.00000	0.00079	0.00079	—	2.86137	2.86137	0.00004	0.00011	0.00370	2.89929
Vendor	0.00020	0.00004	0.00246	0.00118	0.00001	0.00002	0.00048	0.00050	0.00002	0.00013	0.00016	—	1.61591	1.61591	0.00013	0.00026	0.00122	1.69683
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (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	21.8049	21.8049	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00961	0.00794	0.05978	0.08273	0.00013	0.00114	—	0.00114	0.00105	—	0.00105	—	9.87660	9.87660	0.00040	0.00008	—	9.91050
Architectural Coatings	1.61297	1.61297	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00175	0.00145	0.01091	0.01510	0.00002	0.00021	—	0.00021	0.00019	—	0.00019	—	1.63518	1.63518	0.00007	0.00001	—	1.64080
Architectural Coatings	0.29437	0.29437	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.02688	0.02292	0.02523	0.33466	0.00000	0.00000	0.10917	0.10917	0.00000	0.02559	0.02559	—	99.9535	99.9535	0.00129	0.00396	0.00784	101.173
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00200	0.00171	0.00187	0.02588	0.00000	0.00000	0.00804	0.00804	0.00000	0.00189	0.00189	—	7.49489	7.49489	0.00010	0.00029	0.00969	7.59423
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	0.00037	0.00031	0.00034	0.00472	0.00000	0.00000	0.00147	0.00147	0.00000	0.00034	0.00034	—	1.24086	1.24086	0.00002	0.00005	0.00160	1.25731
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.12836	1.03108	0.70676	8.44245	0.02265	0.01286	2.22547	2.23833	0.01198	0.56487	0.57686	—	2,312.81	2,312.81	0.09974	0.08759	6.50925	2,347.92
Total	1.12836	1.03108	0.70676	8.44245	0.02265	0.01286	2.22547	2.23833	0.01198	0.56487	0.57686	—	2,312.81	2,312.81	0.09974	0.08759	6.50925	2,347.92
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.12145	1.02290	0.76763	7.86759	0.02177	0.01287	2.22547	2.23834	0.01199	0.56487	0.57686	—	2,224.42	2,224.42	0.10379	0.09156	0.16878	2,254.47

Total	1.12145	1.02290	0.76763	7.86759	0.02177	0.01287	2.22547	2.23834	0.01199	0.56487	0.57686	—	2,224.42	2,224.42	0.10379	0.09156	0.16878	2,254.47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.20326	0.18530	0.14141	1.46935	0.00402	0.00235	0.40459	0.40693	0.00219	0.10270	0.10489	—	372.225	372.225	0.01707	0.01520	0.46533	377.648
Total	0.20326	0.18530	0.14141	1.46935	0.00402	0.00235	0.40459	0.40693	0.00219	0.10270	0.10489	—	372.225	372.225	0.01707	0.01520	0.46533	377.648

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	400.497	400.497	0.03818	0.00463	—	402.830
Total	—	—	—	—	—	—	—	—	—	—	—	—	400.497	400.497	0.03818	0.00463	—	402.830
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	400.497	400.497	0.03818	0.00463	—	402.830
Total	—	—	—	—	—	—	—	—	—	—	—	—	400.497	400.497	0.03818	0.00463	—	402.830
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	66.3068	66.3068	0.00632	0.00077	—	66.6931
Total	—	—	—	—	—	—	—	—	—	—	—	—	66.3068	66.3068	0.00632	0.00077	—	66.6931

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Consum Products	2.01291	2.01291	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.16130	0.16130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipm ent	0.30286	0.28679	0.03116	3.29632	0.00014	0.00154	—	0.00154	0.00116	—	0.00116	—	8.79786	8.79786	0.00037	0.00007	—	8.82881
Total	2.47707	2.46099	0.03116	3.29632	0.00014	0.00154	—	0.00154	0.00116	—	0.00116	0.00000	8.79786	8.79786	0.00037	0.00007	—	8.82881
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consum er Product s	2.01291	2.01291	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.16130	0.16130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.17420	2.17420	0.00000	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consum er Product s	0.36736	0.36736	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.02944	0.02944	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.03786	0.03585	0.00390	0.41204	0.00002	0.00019	—	0.00019	0.00015	—	0.00015	—	0.99766	0.99766	0.00004	0.00001	—	1.00117
Total	0.43465	0.43264	0.00390	0.41204	0.00002	0.00019	—	0.00019	0.00015	—	0.00015	0.00000	0.99766	0.99766	0.00004	0.00001	—	1.00117

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Total	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Total	—	—	—	—	—	—	—	—	—	—	—	4.17066	15.1763	19.3470	0.42910	0.01034	—	33.1547
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.69050	2.51262	3.20312	0.07104	0.00171	—	5.48914
Total	—	—	—	—	—	—	—	—	—	—	—	0.69050	2.51262	3.20312	0.07104	0.00171	—	5.48914

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Total	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Total	—	—	—	—	—	—	—	—	—	—	—	23.1360	0.00000	23.1360	2.31236	0.00000	—	80.9451
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	3.83043	0.00000	3.83043	0.38284	0.00000	—	13.4014
Total	—	—	—	—	—	—	—	—	—	—	—	3.83043	0.00000	3.83043	0.38284	0.00000	—	13.4014

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.67367	0.67367
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11153	0.11153
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11153	0.11153

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/30/2027	5/4/2027	5.00000	26.0000	—
Site Preparation	Site Preparation	5/5/2027	5/21/2027	5.00000	13.0000	—
Grading	Grading	5/24/2027	6/28/2027	5.00000	26.0000	—
Building Construction	Building Construction	6/29/2027	8/24/2028	5.00000	303.000	—
Paving	Paving	8/25/2028	9/29/2028	5.00000	26.0000	—
Architectural Coating	Architectural Coating	10/2/2028	11/7/2028	5.00000	27.0000	—

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
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Appendix A

Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	6.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	6.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	2.00000	6.00000	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
Demolition	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	0.00000	10.2000	HHDT,MHDT
Demolition	Hauling	20.9231	20.0000	HHDT
Demolition	Onsite truck	0.00000	0.00000	HHDT
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00000	10.2000	HHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	0.00000	0.00000	HHDT
Grading	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	0.00000	10.2000	HHDT,MHDT
Grading	Hauling	9.11538	20.0000	HHDT
Grading	Onsite truck	0.00000	0.00000	HHDT
Building Construction	Worker	41.7600	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	6.20020	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	0.00000	0.00000	HHDT
Paving	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	4.00000	10.2000	HHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	0.00000	0.00000	HHDT
Architectural Coating	Worker	8.35200	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00000	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	0.00000	0.00000	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	190,474	63,491.2	0.00000	0.00000	—

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 (Ton of Debris)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	2,173.00	0.00000
Site Preparation	0.00000	0.00000	19.5000	0.00000	0.00000
Grading	0.00000	1,890.00	26.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.94000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Condo/Townhouse	0.94000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	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
Condo/Townhouse	356.000	356.000	356.000	129,940	3,145.07	3,145.07	3,145.07	1,147,950

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Condo/Townhouse	Wood Fireplaces	0	0
Condo/Townhouse	Gas Fireplaces	0	0
Condo/Townhouse	Propane Fireplaces	0	0
Condo/Townhouse	Electric Fireplaces	0	0
Condo/Townhouse	No Fireplaces	58	58
Condo/Townhouse	Conventional Wood Stoves	0	0
Condo/Townhouse	Catalytic Wood Stoves	3	3
Condo/Townhouse	Non-Catalytic Wood Stoves	3	3
Condo/Townhouse	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)
Appendix A				

190,474	63,491.2	0.00000	0.00000	—
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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)
Condo/Townhouse	422,250	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)
Condo/Townhouse	2,176,488	223,224

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	42.9289	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
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Per project description the project consists of 58 Townhomes with 94,061 SF of building space and 14,092 SF of landscaping area per the site plan.
Construction: Construction Phases	Adjusted construction schedule based on the applicant's construction timeline.
Construction: Trips and VMT	Conservatively added 4 additional trips for vendor trips during site prep phase. Asphalt vendor trips based on paved acreage.
Construction: Paving	Paved area = site area (191,664SF) minus open space and slope (98142 SF) - bldg coverage (42,933 SF) = 50,589 SF/43,560-22.4% = 0.94.
Operations: Vehicle Data	Trip rates were adjusted per project specific traffic study prepared by Urban Crossroad, Inc for 15 Argonaut.
Operations: Hearths	Wood stoves is prohibited. Project will be all electric.
Operations: Energy Use	Updated as per Measure E-15 using CAPCOA GHG Handbook, Table E 15.1 and 2. Commercial Energy Consumption by End Use, Electricity Demand Forecast Zone, and Building Type. CAPCOA, 2024. https://caleemod.com/documents/handbook/full_handbook.pdf

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area Appendix A	acre	3.62500	4.40000 36

Building Area	sq. ft	61,480.0	94,061.0
Landscape Area	sq. ft	—	14,092.0
Special Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	4/27/2027	5/4/2027
Demolition	Demolition	Work Days per Phase	20.0000	26.0000
Site Preparation	Site Preparation	Start Date	4/28/2027	5/5/2027
Site Preparation	Site Preparation	End Date	5/5/2027	5/21/2027
Site Preparation	Site Preparation	Work Days per Phase	5.00000	13.0000
Grading	Grading	Start Date	5/6/2027	5/24/2027
Grading	Grading	End Date	5/17/2027	6/28/2027
Grading	Grading	Work Days per Phase	8.00000	26.0000
Building Construction	Building Construction	Start Date	5/18/2027	6/29/2027
Building Construction	Building Construction	End Date	4/4/2028	8/24/2028
Building Construction	Building Construction	Work Days per Phase	230.000	303.000
Paving	Paving	Start Date	4/5/2028	8/25/2028
Paving	Paving	End Date	4/30/2028	9/29/2028
Paving	Paving	Work Days per Phase	18.0000	26.0000
Architectural Coating	Architectural Coating	Start Date	5/1/2028	10/2/2028
Architectural Coating	Architectural Coating	End Date	5/26/2028	11/7/2028
Architectural Coating	Architectural Coating	Work Days per Phase	18.0000	27.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
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Site Preparation	Vendor	One-Way Trips per Day	—	4.00000
Site Preparation	Vendor	Vehicle Mix	HHDT,MHDT	HHDT
Paving	Vendor	One-Way Trips per Day	—	4.00000
Paving	Vendor	Vehicle Mix	HHDT,MHDT	HHDT

8.4.9. Paving

Phase Name	Land Use	Model Parameter	Units	Default Value	New Value
Paving	Condo/Townhouse	Area Paved	acres	—	0.94000
Paving	Condo/Townhouse	% Asphalt	%	0.00000	100.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Weekday Trip Rate	size/day	7.32000	6.13793
Condo/Townhouse	Saturday Trip Rate	size/day	8.14000	6.13793
Condo/Townhouse	Sunday Trip Rate	size/day	6.28000	6.13793

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Wood Fireplaces	—	3	0
Condo/Townhouse	Gas Fireplaces	—	49	0
Condo/Townhouse	No Fireplaces	—	6	58
Condo/Townhouse	Wood Mass	lb/year	1,019	0

Condo/Townhouse	Wood Mass	lb/year	1,000	0
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8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Electricity	kWh/yr	266,346	422,250
Condo/Townhouse	Electricity (Subject to Title 24)	kWh/yr	65,650.4	180,142
Condo/Townhouse	Electricity (Not Subject to Title 24)	kWh/yr	200,695	242,108
Condo/Townhouse	Natural Gas	kBTU/yr	1,393,761	0.00000
Condo/Townhouse	Natural Gas (Subject to Title 24)	kBTU/yr	1,241,553	0.00000
Condo/Townhouse	Natural Gas (Not Subject to Title 24)	kBTU/yr	152,208	0.00000

15 Argonaut

Construction -Material Movement

Calculations:

Description	Building Footprint (sf)	Building footprint (sq yards)	Foundation Depth (yards)	Excavation (cubic yards)	Additional 20%*
Building Footprint	42933	4770.333333	0.33	1574.21	1889.052

Notes:

- 1. Assumptions: 12" foundation pursuant to the California Building Code Section R301 to calculate soil cut and export.
- 2. *Applied an additional 20% to model a worst-case, conservative scenario.

15 Argonaut

Construction - Demolition

Description	Area (sq ft)	height/depth (ft)	Volume (ft ³)	Demolition Waste Fraction	Demolition Volume (ft ³)	Demolition Waste Density (tons/cy)	Demolition Weight (tons)
Buildings	41,519	10	415,190	0.25	103,798	0.50	1,922
Pavement	3,348	1	3,348	1	3,348	2.025	251
Totals							2,173

Notes:

1. Assumptions: Building demolition estimates are based on methods used in CalEEMod (CAPCOA, 2022), based on 1 story building , assume 10 ft per floor where 1 square ft floor area = 10 cubic ft (ft³) of building volume, and 1 ft³ of building volume = 0.25 ft³ of waste. This approach can be used to estimate demolition for multiple story buildings. It also assumes 1 cubic yard (cy) building waste = 0.5 ton weight
2. Assumptions: 1 cubic yard of asphalt = 2.025 tons or 4050 lbs.
3. Source: ICF in collaboration with Sacramento Metropolitan Air Quality Management District, Fehr & Peers, STI and Ramboll. 2022. CalEEMod Appendix C Emission Calculation Details for CalEEMod. April.

15 Argonaut

Construction - Pavement Trips

Calculations: Asphalt Pavement Vendor Trips

Landuse Asphalt Paved Area	Asphalt Paved Area (sf)	Asphalt volume (cubic feet)	Asphalt Volume (cy)	Capacity per vendor truck (cy per truck)	One Way Trips Total	Days in Paving Phase	One Way Vendor Trips Per Day (Asphalt)
Condo/Townhouse	50,589	25,295	937	16	118	26	5

- Notes:
1. Assumptions: Asphalt paved areas includes driveways

2. Assumptions: Asphalt volume (cubic feet) assumes 6 inch pavement

15 Argonaut

Measure E-15 All-Electric

CEC Electricity Demand Forecast Zone (EDFZ)7

Land Use Subtype	Size	Units	Per Unit			Additional electricity use per Unit for equivalent electrified end uses			
			Annual Energy Use by Land Use Subtype and EDFZ ¹			Title 24		Non Title 24	
			Total	Title 24	Non Title 24	Water Heater	Primary Heat	Cooking	Dryer
Condo/Townhouse	58	Dwelling Units	4,592	1,132	3,460	1,365	609	292	422

Notes:
Source: CalEEMod Table G-28. Annual Energy Use by Land Use Subtype and EDFZ . Recreational Pool building assigned Health Club Usage

Land Use Subtype	Size	Units	CalEEMod Defaults			for equivalent electrified end uses			
			Baseline Annual Energy Usage for Project Landuse			Title 24		Non Title 24	
			Total	Title 24	Non Title 24	Water Heater	Primary Heat	Cooking	Dryer
Condo/Townhouse	58	Dwelling Units	266,346	65,650	200,695	79,170	35,322	16,936	24,476

Notes:
Source: CAPCOA GHG Handbook, Table E 15.1 and 2. Commercial Energy Consumption by End Use,1 Electricity Demand Forecast Zone, and Building Type
Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Available at: Available at: https://www.airquality.org/ClimateChange/Documents/Final%20Handbook_AB434.pdf.

Building Type / LandUse	Amount	Units	Adjustment for Measure E-15		
			Annual Electrical Usage (kWhr)		
			Total	Title 24	Non Title 24
Condo/Townhouse	58	Dwelling Units	422,250	180,142	242,107

15 Argonaut

Construction Energy

Scenario: Unmitigated (5.2.1 / 5.3.1)

Sources

Field	Value
Project Name	15 Argonaut
County	Orange
EMFAC Region	Orange
Construction Year	2027
CalEEMod Version	2022.1.1.43
CalEEMod workbook	15 Argonaut (3).xlsx
EMFAC Annual CSV	EMFAC2025EI-EMFAC2007Class-Orange-2027-Annual-20260512134437.csv
Off-road sheet used	5.2.1
Vehicles sheet used	5.3.1
Off-Road BSFC (gal/bhp-hr)	0.054
Referenced CalEEMod Sections	5.1 Schedule; 5.2.x Off-Road; 5.3.x Construction Vehicles

Methods & Assumptions

- EMFAC Region: Orange; Construction Year: 2027.
- Off-road equipment fuel uses BSFC applied to $HP \times load \times hours \times work\ days\ by\ phase$ (liquid fuels in gallons; electric in kWh).
- On-road construction trips apply EMFAC fuel consumption factors (gal/mi) to allocated VMT (vehicles are liquid-only in this app; no EVMT/kWh/mi).
- Totals report liquid fuels in gallons and off-road electric in kWh.

Off-Road Equipment — Estimated Fuel Consumption

Phase Name	Equipment Type	Qty/Day	HP	Load Factor	Hours/Day	hp-hr/day	Work Days	Fuel	Est. gallons
Demolition	Concrete/Industrial Saws	1	33	0.73	8	193	26	Diesel	271
	Excavators	3	36	0.38	8	328	26	Diesel	461
	Rubber Tired Dozers	2	367	0.40	8	2,349	26	Diesel	3,298
Site Preparation	Rubber Tired Dozers	3	367	0.40	8	3,523	13	Diesel	2,473
	Tractors/Loaders/Backhoes	4	84	0.37	8	995	13	Diesel	698
Grading	Excavators	1	36	0.38	8	109	26	Diesel	154
	Graders	1	148	0.41	8	485	26	Diesel	682
	Rubber Tired Dozers	1	367	0.40	8	1,174	26	Diesel	1,649
	Tractors/Loaders/Backhoes	3	84	0.37	8	746	26	Diesel	1,047
Building Construction	Cranes	1	367	0.29	7	745	303	Diesel	12,190
	Forklifts	3	82	0.20	8	394	303	Diesel	6,440
	Generator Sets	1	14	0.74	8	83	303	Diesel	1,356
	Tractors/Loaders/Backhoes	3	84	0.37	7	653	303	Diesel	10,679
	Welders	1	46	0.45	8	166	303	Diesel	2,710
Paving	Pavers	1	81	0.42	8	272	26	Diesel	382
	Paving Equipment	2	89	0.36	6	384	26	Diesel	540
	Rollers	2	36	0.38	6	164	26	Diesel	230
	Cement and Mortar Mixers	2	10	0.56	6	67	26	Diesel	94
	Tractors/Loaders/Backhoes	1	84	0.37	8	249	26	Diesel	349
Architectural Coating	Air Compressors	1	37	0.48	6	107	27	Diesel	155
TOTAL									45,858

Sources: CalEEMod Section 5.1 (schedule) and CalEEMod Section 5.2 (equipment per phase, quantity/day, hours/day, horsepower, and load factor).

Notes: HP = horsepower; BSFC = Brake Specific Fuel Consumption. Fuel (gal) = Qty × HP × Load × Hours/Day → hp-hr/day × Work days × BSFC. A BSFC factor of 0.054 gal/bhp-hr corresponds to ~18.5 bhp-hr/gal (CARB-derived). Total Electricity (not shown per equipment): 0 kWh.

Estimated VMT and Fuel Consumption - On-Road Construction Trips

Phase Name	Trip Type	Vehicle Mix	Fuel	VMT	EMFAC gal/mi	Est. gallons
Demolition	Worker	LDA,LDT1,LDT2	Gasoline	7,215	0.0429	309
Demolition	Vendor	HHDT,MHDT	Diesel	0	0.1343	0
Demolition	Hauling	HHDT	Diesel	10,880	0.1571	1,709
Demolition	Onsite Truck	HHDT	Diesel	0	0.1571	0
Site Preparation	Worker	LDA,LDT1,LDT2	Gasoline	4,209	0.0429	180
Site Preparation	Vendor	HHDT	Diesel	530	0.1571	83
Site Preparation	Hauling	HHDT	Diesel	0	0.1571	0
Site Preparation	Onsite Truck	HHDT	Diesel	0	0.1571	0
Grading	Worker	LDA,LDT1,LDT2	Gasoline	7,215	0.0429	309
Grading	Vendor	HHDT,MHDT	Diesel	0	0.1343	0
Grading	Hauling	HHDT	Diesel	4,740	0.1571	745
Grading	Onsite Truck	HHDT	Diesel	0	0.1571	0
Building Construction	Worker	LDA,LDT1,LDT2	Gasoline	234,086	0.0429	10,038
Building Construction	Vendor	HHDT,MHDT	Diesel	19,162	0.1343	2,573
Building Construction	Hauling	HHDT	Diesel	0	0.1571	0
Building Construction	Onsite Truck	HHDT	Diesel	0	0.1571	0
Paving	Worker	LDA,LDT1,LDT2	Gasoline	9,620	0.0429	413
Paving	Vendor	HHDT	Diesel	1,061	0.1571	167
Paving	Hauling	HHDT	Diesel	0	0.1571	0
Paving	Onsite Truck	HHDT	Diesel	0	0.1571	0
Architectural Coating	Worker	LDA,LDT1,LDT2	Gasoline	4,172	0.0429	179
Architectural Coating	Vendor	HHDT,MHDT	Diesel	0	0.1343	0
Architectural Coating	Hauling	HHDT	Diesel	0	0.1571	0
Architectural Coating	Onsite Truck	HHDT	Diesel	0	0.1571	0
TOTAL				302,890		16,706

Phase Name	Trip Type	Vehicle Mix	Fuel	VMT	EMFAC gal/mi	Est. gallons
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Sources: CalEEMod Section 5.1 (# of work days per phase) and CalEEMod Section 5.3 (trip type, vehicle mix, and VMT).

Notes: VMT = vehicle miles traveled; mpg = miles per gallon. VMT was derived as one-way trips per day × miles per one-way trip Estimated gallons for on-road trips: Fuel (gal) = VMT × EMFAC gal/mi. EMFAC gal/mi factors originate from CARB's EMFAC model for the applicable county and construction year.

EMFAC Fuel Consumption Rates by Vehicle Mix (County = Orange; Calendar Year=2027)

Vehicle Category	Diesel (gal/mi)	Gasoline (gal/mi)
HHDT	0.1571	—
MHDT	0.1115	—
LDA	—	0.0373
LDT1	—	0.0450
LDT2	—	0.0442

Notes: Fuel consumption from EMFAC2021v1.0.2

CalEEMod Vehicle Mix – EMFAC Rates

Vehicle Mix	Fuel	gal/mi
LDA,LDT1,LDT2	Gasoline	0.0429
HHDT,MHDT	Diesel	0.1343

Notes: Light-duty=25/50/25; Heavy-duty (HHDT,MHDT)=50/50.

Totals Summary

Metric	Value
Total estimated gallons — On-road	16,706
Total estimated gallons — Off-road (liquid fuels)	45,858
Total estimated kWh — Off-road (electric)	0
Grand total (reporting note)	Liquid fuels in gallons; electric in kWh
County (CalEEMod 1.1)	Orange
EMFAC Region	Orange
Year (from 1.1 Construction Start Date)	2027

Notes: Scenario codes shown above (e.g., 5.2.1/5.3.1 or 5.2.2/5.3.2).

15 Argonaut

Operational Energy

Scope: Full (Vehicles + Buildings + Stationary)

Sources

Field	Value
Project Name	15 Argonaut
County	Orange
EMFAC Region	Orange
Op Year	2028
CalEEMod Version	2022.1.1.43
CalEEMod workbook	15 Argonaut (3).xlsx
EMFAC Annual CSV	EMFAC2025EI-EMFAC2007Class-Orange-2028-Annual-20260512134451.csv
Land Use Sheet	1.2
Mobile Source Sheet	5.9.1
Operational Energy consumption sheet	5.11.1
Building Energy Title 24 and Non-Title 24 (overrides) Sheet	8.5.3

Methods & Assumptions

- Mobile energy is calculated as: Annual VMT by land use (CalEEMod 5.9.1) × vehicle-class mix (CalEEMod 8.5.1.2, Annual/ Season A when provided; otherwise EMFAC population mix) × EMFAC effective per-mile energy rates.
- Plug-in hybrids contribute to both gasoline and electricity buckets per EMFAC fuel/energy accounting.
- “Natural Gas” in EMFAC is reported in diesel-equivalent gallons and is included in the CNG totals.
- Building energy (CalEEMod 5.11.1) and Title 24 / Non-Title 24 overrides (CalEEMod 8.5.3) are shown separately from mobile energy.
- Off-road (5.15.1 / 5.15.2) hp-hr/yr = HP × Load Factor × Hours/Day × Number/Day × Days/Year (assumed 260) and converted using construction-style factors; Generators/Fire Pumps (5.16.1) use Hours/Year.
- All reported values are annual totals: electricity (kWh/yr), natural gas (kBtu/yr), and liquid fuels (gallons/yr; diesel-equivalent gallons for CNG).

Project Land Uses and Descriptions

Land Use Subtype	Size	Unit	Description
Condo/Townhouse	58	Dwelling Unit	

Source: CalEEMod worksheet 1.2).

Trips by Land Use

Land Use	Description	Trips (Weekday)	Trips (Saturday)	Trips (Sunday)	Trips (Year)
Condo/Townhouse		356	356	356	129,940
TOTAL		356	356	356	129,940

CalEEMod Section 5.9.1.

VMT by Land Use

Land Use	Description	VMT (Weekday)	VMT (Saturday)	VMT (Sunday)	VMT (Year)
Condo/Townhouse		3,145	3,145	3,145	1,147,950
TOTAL		3,145	3,145	3,145	1,147,950

CalEEMod Section 5.9.1.

CalEEMod Fleet by Land Use (Percent of Annual VMT)

Land Use	Description	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Condo/Townhouse		0.67	45.82	3.96	25.43	2.59	1.15	2.31	15.97	0.44	1.45	0.06	0.09	0.05

Notes:

- 1. Fleet mix values represent the percentage of annual VMT allocated to each vehicle class for each land use, and percentages sum to 100% across all classes.
- 2. Where available, CalEEMod 8.5.1.2 (Annual/Season A) fleet mix is used; otherwise EMFAC default fleet population mix is used.
- 3. Vehicle class abbreviations follow standard EMFAC conventions (e.g., LDA = Light-Duty Auto; HHDT = Heavy-Heavy-Duty Truck; MCY = Motorcycle).

EMFAC Technology Parameters by Vehicle Category

Vehicle Category	Fuel/Tech	gal/mi	kWh/mi	CVMT frac	EVMT frac	within-class share
HHDT	Diesel	0.154	—	1	—	0.938
	Electricity	—	1.79	—	1	0.004
	Fuel Cell Electric Vehicle	—	0	—	1	0.000
	Gasoline	0.258	—	1	—	0.001
	Natural Gas	0.155	—	1	—	0.057
LDA	Diesel	0.0269	—	1	—	0.001
	Electricity	—	0.332	—	1	0.153
	Fuel Cell Electric Vehicle	—	0	—	1	0.001
	Gasoline	0.0368	—	1	—	0.737
	Plug-in Hybrid	0.0359	0.367	0.393	0.607	0.108
LDT1	Diesel	0.0439	—	1	—	0.000
	Electricity	—	0.374	—	1	0.129
	Gasoline	0.0446	—	1	—	0.774
	Plug-in Hybrid	0.036	0.429	0.460	0.540	0.097
LDT2	Diesel	0.0337	—	1	—	0.002
	Electricity	—	0.415	—	1	0.013
	Gasoline	0.0435	—	1	—	0.870
	Plug-in Hybrid	0.0361	0.489	0.467	0.533	0.116
LHDT1	Diesel	0.0469	—	1	—	0.326
	Electricity	—	0.564	—	1	0.010
	Fuel Cell Electric Vehicle	—	0	—	1	0.001
	Gasoline	0.0668	—	1	—	0.663
LHDT2	Diesel	0.0524	—	1	—	0.697
	Electricity	—	0.564	—	1	0.014
	Fuel Cell Electric Vehicle	—	0	—	1	0.001
	Gasoline	0.0719	—	1	—	0.288
MCY	Gasoline	0.0248	—	1	—	1

Vehicle Category	Fuel/Tech	gal/mi	kWh/mi	CVMT frac	EVMT frac	within-class share
MDV	Diesel	0.0403	—	1	—	0.032
	Electricity	—	0.496	—	1	0.077
	Gasoline	0.0533	—	1	—	0.849
	Plug-in Hybrid	0.0365	0.611	0.475	0.525	0.042
MH	Diesel	0.0987	—	1	—	0.333
	Gasoline	0.205	—	1	—	0.667
MHDT	Diesel	0.111	—	1	—	0.660
	Electricity	—	1.25	—	1	0.016
	Fuel Cell Electric Vehicle	—	0	—	1	0.001
	Gasoline	0.186	—	1	—	0.318
	Natural Gas	0.117	—	1	—	0.006
OBUS	Diesel	0.133	—	1	—	0.416
	Electricity	—	1.24	—	1	0.071
	Fuel Cell Electric Vehicle	—	0	—	1	0.002
	Gasoline	0.193	—	1	—	0.431
	Natural Gas	0.00327	—	1	—	0.080
SBUS	Diesel	0.135	—	1	—	0.225
	Electricity	—	1.37	—	1	0.026
	Fuel Cell Electric Vehicle	—	0	—	1	0.001
	Gasoline	0.107	—	1	—	0.372
	Natural Gas	0.233	—	1	—	0.376
UBUS	Electricity	—	2.13	—	1	0.140
	Fuel Cell Electric Vehicle	—	0	—	1	0.001
	Gasoline	0.13	—	1	—	0.305
	Natural Gas	0.222	—	1	—	0.554

Note: Fractions & shares from EMFAC class/fuel VMT.

Annual Mobile Energy Consumption by Land Use

Land Use	Description	Gasoline (gal/yr)	Diesel (gal/yr)	CNG (gal/yr)	Electricity (kWh/yr)
Condo/ Townhouse		40,826	3,775	235	63,330
TOTAL		40,826	3,775	235	63,330

Computed from VMT, fleet mix, and EMFAC effective class rates. EMFAC population mix was used for land uses without 8.5.1.2 entries. EMFAC 'Natural Gas' is reported in diesel-equivalent gallons and is included in the CNG totals.

Annual Building Energy by Land Use

Land Use	Description	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Condo/Townhouse		422,250	0
TOTAL		422,250	0

Note: Annual electricity and natural gas usage from CalEEMod Section 5.11.1.

Title 24 / Non-Title-24 Energy Consumption by Land Use

Land Use	Description	Elec T24 (kWh)	Elec Non-T24 (kWh)	NG T24 (kBTU)	NG Non-T24 (kBTU)
Condo/Townhouse		180,142	242,108	0	0

Note: Energy usage adjustments from CalEEMod Section 8.5.3.

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