Palm/Goldenwest Specific Plan Redevelopment Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Palm/Goldenwest Specific Plan Redevelopment
Construction Start Date	6/4/2029
Operational Year	2034
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	19.2000
Location	33.67491643880888, -118.0244791897417
County	Orange
City	Huntington Beach
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5854
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.44

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
Single Family Housing	435.000	Dwelling Unit	30.4000	848,250	0.00000	—	1,296.00	—

Apartments Low Rise	365.000	Dwelling Unit	22.8125	386,900	0.00000	—	1,088.00	—
Hotel	350.000	Room	16.0000	508,200	0.00000	—	—	—
City Park	22.8000	Acre	22.8000	0.00000	0.00000	0.00000	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-4	Integrate A ordable and Below Market Rate Housing
Transportation	T-7	Implement Commute Trip Reduction Marketing
Transportation	T-8	Provide Ridesharing Program
Transportation	T-9	Implement Subsidized or Discounted Transit Program
Transportation	T-10	Provide End-of-Trip Bicycle Facilities
Transportation	T-11*	Provide Employer-Sponsored Vanpool
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-31-A*	Locate Project in Area with High Destination Accessibility
Transportation	T-33*	Locate Project near Bike Path/Bike Lane
Transportation	T-34*	Provide Bike Parking
Transportation	T-35*	Provide Tra c Calming Measures
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Water	W-4	Require Low-Flow Water Fixtures
Water	W-5	Design Water-Efficient Landscapes

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.3734	59.8375	72.0336	0.13805	1.50712	11.5667	12.9664	1.37829	3.99357	5.00963	—	17,379.5	17,379.5	0.90162	1.63846	17,624.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.3696	60.3279	71.8343	0.13805	1.50712	11.5667	12.9664	1.37829	3.99357	5.00963	—	16,949.4	16,949.4	0.89794	1.64214	17,174.3
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.5006	35.4651	51.2975	0.09318	0.92614	7.08919	7.75436	0.84626	2.16596	3.01221	—	10,463.2	10,463.2	0.43123	0.64531	10,523.8
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.83635	6.47239	9.36179	0.01700	0.16902	1.29378	1.41517	0.15444	0.39529	0.54973	—	1,732.30	1,732.30	0.07139	0.10684	1,742.34

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.70201	36.8315	72.0336	0.13044	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,688.4	14,688.4	0.60398	0.23669	14,776.4
2030	1.69843	36.7887	71.9467	0.13045	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,662.2	14,662.2	0.60300	0.23140	14,748.3
2031	1.69413	36.7541	71.8555	0.13045	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,636.0	14,636.0	0.59745	0.22585	14,720.1
2032	1.55032	59.8375	41.1165	0.13805	1.50712	7.89497	9.01063	1.37829	3.99357	5.00963	—	16,662.4	16,662.4	0.90162	1.63846	17,186.8
2033	70.3734	39.3819	55.8894	0.07704	1.39976	11.5667	12.9664	1.31293	2.77170	4.08463	—	17,379.5	17,379.5	0.42644	0.71744	17,624.4

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.69952	36.8671	71.8343	0.13044	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,669.4	14,669.4	0.60372	0.24995	14,759.0
2030	1.69666	36.8325	71.7585	0.13045	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,643.5	14,643.5	0.60372	0.23140	14,727.6
2031	1.69236	39.8906	71.6784	0.13045	1.11566	7.89497	9.01063	1.01606	3.99357	5.00963	—	14,617.6	14,617.6	0.59817	0.22611	14,700.0
2032	2.30460	60.3279	41.0563	0.13805	1.50712	9.71622	10.4725	1.37829	3.99357	5.00963	—	16,655.8	16,655.8	0.89794	1.64214	17,167.9
2033	70.3696	39.9032	52.1818	0.07704	1.39976	11.5667	12.9664	1.31293	2.77170	4.08463	—	16,949.4	16,949.4	0.42644	0.71744	17,174.3
2034	68.1115	14.6291	15.6816	0.01568	0.64363	1.85044	2.49407	0.60598	0.43374	1.03972	—	3,198.15	3,198.15	0.08230	0.02270	3,207.03
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.70168	15.2255	29.6853	0.05386	0.11013	1.37134	1.48147	0.11013	0.23349	0.34362	—	6,059.29	6,059.29	0.24928	0.10321	6,096.69
2030	1.21228	26.3169	51.2975	0.09318	0.19051	2.37223	2.56274	0.19051	0.40390	0.59441	—	10,463.2	10,463.2	0.43123	0.16529	10,523.8
2031	0.58771	13.7252	23.7910	0.04304	0.14963	1.49916	1.64879	0.14358	0.41596	0.55954	—	4,826.15	4,826.15	0.19695	0.07207	4,852.81
2032	0.99547	35.4651	25.4296	0.06827	0.92614	5.30444	6.23058	0.84626	2.16596	3.01221	—	8,361.72	8,361.72	0.41250	0.64531	8,566.91
2033	26.5006	20.4983	29.3720	0.04504	0.66518	7.08919	7.75436	0.62283	1.70095	2.32378	—	10,242.2	10,242.2	0.25265	0.47287	10,395.0
2034	2.66569	0.57245	0.62195	0.00061	0.02519	0.07153	0.09672	0.02372	0.01675	0.04047	—	126.000	126.000	0.00322	0.00089	126.385
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.12806	2.77866	5.41758	0.00983	0.02010	0.25027	0.27037	0.02010	0.04261	0.06271	—	1,003.18	1,003.18	0.04127	0.01709	1,009.38
2030	0.22124	4.80283	9.36179	0.01700	0.03477	0.43293	0.46770	0.03477	0.07371	0.10848	—	1,732.30	1,732.30	0.07139	0.02737	1,742.34
2031	0.10726	2.50485	4.34187	0.00786	0.02731	0.27360	0.30090	0.02620	0.07591	0.10212	—	799.024	799.024	0.03261	0.01193	803.438
2032	0.18167	6.47239	4.64090	0.01246	0.16902	0.96806	1.13708	0.15444	0.39529	0.54973	—	1,384.38	1,384.38	0.06829	0.10684	1,418.35
2033	4.83635	3.74095	5.36039	0.00822	0.12140	1.29378	1.41517	0.11367	0.31042	0.42409	—	1,695.71	1,695.71	0.04183	0.07829	1,721.01
2034	0.48649	0.10447	0.11351	0.00011	0.00460	0.01305	0.01765	0.00433	0.00306	0.00739	—	20.8607	20.8607	0.00053	0.00015	20.9245

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.60252	35.8681	70.2099	0.12488	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
2030	1.60252	35.8681	70.2099	0.12489	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2031	1.60252	35.8681	70.2099	0.12489	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2032	1.33067	48.8399	35.3475	0.06089	1.36014	7.66623	8.78189	1.23132	3.93995	4.95601	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
2033	68.5184	34.0393	26.3840	0.03907	1.36180	0.00000	1.36180	1.27497	0.00000	1.27497	—	4,040.98	4,040.98	0.16392	0.03278	4,054.85
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.60252	35.8681	70.2099	0.12488	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
2030	1.60252	35.8681	70.2099	0.12489	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2031	1.60252	39.8532	70.2099	0.12489	1.11566	7.66623	8.78189	1.01606	3.93995	4.95601	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2032	1.33067	48.8399	35.3475	0.06089	1.36014	7.66623	8.78189	1.23132	3.93995	4.95601	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
2033	68.5184	34.0393	26.3840	0.03907	1.36180	0.00000	1.36180	1.27497	0.00000	1.27497	—	4,040.98	4,040.98	0.16392	0.03278	4,054.85
2034	67.8010	14.3903	11.5634	0.01568	0.64363	0.00000	0.64363	0.60598	0.00000	0.60598	—	1,644.17	1,644.17	0.06669	0.01334	1,649.82
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.66171	14.8105	28.9908	0.05157	0.10576	1.10928	1.21504	0.10576	0.16798	0.27374	—	5,581.89	5,581.89	0.22643	0.04529	5,601.05
2030	1.14466	25.6200	50.1499	0.08921	0.18295	1.91890	2.10184	0.18295	0.29058	0.47352	—	9,655.96	9,655.96	0.39169	0.07834	9,689.10
2031	0.55738	13.4378	23.2886	0.04134	0.14637	1.29046	1.43684	0.14033	0.36401	0.50434	—	4,474.65	4,474.65	0.18151	0.03630	4,490.01
2032	0.84605	30.9612	22.2667	0.03832	0.87037	3.67810	4.54847	0.79048	1.73138	2.52186	—	4,144.23	4,144.23	0.16811	0.03362	4,158.45
2033	25.3572	16.6610	12.7503	0.01956	0.63970	0.00000	0.63970	0.59735	0.00000	0.59735	—	2,006.79	2,006.79	0.08140	0.01628	2,013.68
2034	2.65366	0.56322	0.45258	0.00061	0.02519	0.00000	0.02519	0.02372	0.00000	0.02372	—	64.3513	64.3513	0.00261	0.00052	64.5721
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.12076	2.70291	5.29082	0.00941	0.01930	0.20244	0.22174	0.01930	0.03066	0.04996	—	924.146	924.146	0.03749	0.00750	927.317
2030	0.20890	4.67566	9.15236	0.01628	0.03339	0.35020	0.38359	0.03339	0.05303	0.08642	—	1,598.65	1,598.65	0.06485	0.01297	1,604.14
2031	0.10172	2.45240	4.25018	0.00754	0.02671	0.23551	0.26222	0.02561	0.06643	0.09204	—	740.829	740.829	0.03005	0.00601	743.372
2032	0.15440	5.65042	4.06368	0.00699	0.15884	0.67125	0.83010	0.14426	0.31598	0.46024	—	686.124	686.124	0.02783	0.00557	688.479

2033	4.62768	3.04063	2.32693	0.00357	0.11674	0.00000	0.11674	0.10902	0.00000	0.10902	—	332.247	332.247	0.01348	0.00270	333.387
2034	0.48429	0.10279	0.08260	0.00011	0.00460	0.00000	0.00460	0.00433	0.00000	0.00433	—	10.6541	10.6541	0.00043	0.00009	10.6906

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.09949	0.96346	1.82373	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,170.15	1,170.15	0.05562	0.12702	1,211.74
2030	0.09591	0.92065	1.73684	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,143.84	1,143.84	0.05464	0.12173	1,183.59
2031	0.09161	0.88607	1.64564	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,117.63	1,117.63	0.04909	0.11617	1,155.36
2032	0.21965	10.9976	5.76891	0.07716	0.14697	3.27793	3.42490	0.14697	0.90726	1.05424	—	10,069.9	10,069.9	0.63420	1.58498	10,571.7
2033	1.85492	5.34269	29.5054	0.03796	0.03796	11.5667	11.6046	0.03796	2.77170	2.80966	—	13,338.5	13,338.5	0.26252	0.68465	13,569.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.09700	0.99902	1.62440	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,151.12	1,151.12	0.05536	0.14027	1,194.37
2030	0.09413	0.96444	1.54862	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,125.14	1,125.14	0.05536	0.12173	1,162.85
2031	0.08983	0.92190	1.46852	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,099.25	1,099.25	0.04980	0.11644	1,135.25
2032	1.58710	11.4880	22.5042	0.07716	0.14697	9.71622	9.75418	0.14697	2.33796	2.37592	—	11,590.0	11,590.0	0.63052	1.58865	11,798.9
2033	1.85120	5.86393	25.7977	0.03796	0.03796	11.5667	11.6046	0.03796	2.77170	2.80966	—	12,908.4	12,908.4	0.26252	0.68465	13,119.5
2034	0.31055	0.23876	4.11824	0.00000	0.00000	1.85044	1.85044	0.00000	0.43374	0.43374	—	1,553.97	1,553.97	0.01561	0.00936	1,557.21
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.03997	0.41502	0.69457	0.00229	0.00437	0.26206	0.26643	0.00437	0.06551	0.06988	—	477.396	477.396	0.02286	0.05792	495.645
2030	0.06761	0.69682	1.14757	0.00397	0.00756	0.45333	0.46089	0.00756	0.11332	0.12088	—	807.202	807.202	0.03954	0.08695	834.750
2031	0.03033	0.28738	0.50241	0.00171	0.00325	0.20870	0.21195	0.00325	0.05195	0.05521	—	351.500	351.500	0.01544	0.03576	362.804
2032	0.14942	4.50394	3.16286	0.02995	0.05577	1.62634	1.68211	0.05577	0.43458	0.49035	—	4,217.49	4,217.49	0.24439	0.61169	4,408.46
2033	1.14340	3.83733	16.6217	0.02548	0.02548	7.08919	7.11467	0.02548	1.70095	1.72643	—	8,235.41	8,235.41	0.17125	0.45659	8,381.32

2034	0.01203	0.00922	0.16937	0.00000	0.00000	0.07153	0.07153	0.00000	0.01675	0.01675	—	61.6487	61.6487	0.00061	0.00037	61.8129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.00730	0.07574	0.12676	0.00042	0.00080	0.04783	0.04862	0.00080	0.01196	0.01275	—	79.0383	79.0383	0.00378	0.00959	82.0598
2030	0.01234	0.12717	0.20943	0.00072	0.00138	0.08273	0.08411	0.00138	0.02068	0.02206	—	133.641	133.641	0.00655	0.01440	138.202
2031	0.00553	0.05245	0.09169	0.00031	0.00059	0.03809	0.03868	0.00059	0.00948	0.01008	—	58.1948	58.1948	0.00256	0.00592	60.0664
2032	0.02727	0.82197	0.57722	0.00547	0.01018	0.29681	0.30699	0.01018	0.07931	0.08949	—	698.254	698.254	0.04046	0.10127	729.870
2033	0.20867	0.70031	3.03347	0.00465	0.00465	1.29378	1.29843	0.00465	0.31042	0.31507	—	1,363.47	1,363.47	0.02835	0.07559	1,387.62
2034	0.00220	0.00168	0.03091	0.00000	0.00000	0.01305	0.01305	0.00000	0.00306	0.00306	—	10.2066	10.2066	0.00010	0.00006	10.2338

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.70201	36.8315	72.0336	0.13044	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,688.4	14,688.4	0.60398	0.23669	14,776.4
2030	1.69843	36.7887	71.9467	0.13045	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,662.2	14,662.2	0.60300	0.23140	14,748.3
2031	1.69413	36.7541	71.8555	0.13045	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,636.0	14,636.0	0.59745	0.22585	14,720.1
2032	1.55032	59.8375	41.1165	0.13805	1.50712	7.89497	9.01063	1.37829	3.99357	5.00963	—	16,662.4	16,662.4	0.90162	1.63846	17,186.8
2033	70.3734	39.3819	55.8894	0.07704	1.39976	11.5667	12.9664	1.31293	2.77170	4.08463	—	17,379.5	17,379.5	0.42644	0.71744	17,624.4
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.69952	36.8671	71.8343	0.13044	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,669.4	14,669.4	0.60372	0.24995	14,759.0
2030	1.69666	36.8325	71.7585	0.13045	0.26671	3.32845	3.59516	0.26671	0.56729	0.83400	—	14,643.5	14,643.5	0.60372	0.23140	14,727.6
2031	1.69236	39.8906	71.6784	0.13045	1.11566	7.89497	9.01063	1.01606	3.99357	5.00963	—	14,617.6	14,617.6	0.59817	0.22611	14,700.0
2032	2.30460	60.3279	41.0563	0.13805	1.50712	9.71622	10.4725	1.37829	3.99357	5.00963	—	16,655.8	16,655.8	0.89794	1.64214	17,167.9
2033	70.3696	39.9032	52.1818	0.07704	1.39976	11.5667	12.9664	1.31293	2.77170	4.08463	—	16,949.4	16,949.4	0.42644	0.71744	17,174.3
2034	68.1115	14.6291	15.6816	0.01568	0.64363	1.85044	2.49407	0.60598	0.43374	1.03972	—	3,198.15	3,198.15	0.08230	0.02270	3,207.03

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.70168	15.2255	29.6853	0.05386	0.11013	1.37134	1.48147	0.11013	0.23349	0.34362	—	6,059.29	6,059.29	0.24928	0.10321	6,096.69
2030	1.21228	26.3169	51.2975	0.09318	0.19051	2.37223	2.56274	0.19051	0.40390	0.59441	—	10,463.2	10,463.2	0.43123	0.16529	10,523.8
2031	0.58771	13.7252	23.7910	0.04304	0.14963	1.49916	1.64879	0.14358	0.41596	0.55954	—	4,826.15	4,826.15	0.19695	0.07207	4,852.81
2032	0.99547	35.4651	25.4296	0.06827	0.92614	5.30444	6.23058	0.84626	2.16596	3.01221	—	8,361.72	8,361.72	0.41250	0.64531	8,566.91
2033	26.5006	20.4983	29.3720	0.04504	0.66518	7.08919	7.75436	0.62283	1.70095	2.32378	—	10,242.2	10,242.2	0.25265	0.47287	10,395.0
2034	2.66569	0.57245	0.62195	0.00061	0.02519	0.07153	0.09672	0.02372	0.01675	0.04047	—	126.000	126.000	0.00322	0.00089	126.385
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.12806	2.77866	5.41758	0.00983	0.02010	0.25027	0.27037	0.02010	0.04261	0.06271	—	1,003.18	1,003.18	0.04127	0.01709	1,009.38
2030	0.22124	4.80283	9.36179	0.01700	0.03477	0.43293	0.46770	0.03477	0.07371	0.10848	—	1,732.30	1,732.30	0.07139	0.02737	1,742.34
2031	0.10726	2.50485	4.34187	0.00786	0.02731	0.27360	0.30090	0.02620	0.07591	0.10212	—	799.024	799.024	0.03261	0.01193	803.438
2032	0.18167	6.47239	4.64090	0.01246	0.16902	0.96806	1.13708	0.15444	0.39529	0.54973	—	1,384.38	1,384.38	0.06829	0.10684	1,418.35
2033	4.83635	3.74095	5.36039	0.00822	0.12140	1.29378	1.41517	0.11367	0.31042	0.42409	—	1,695.71	1,695.71	0.04183	0.07829	1,721.01
2034	0.48649	0.10447	0.11351	0.00011	0.00460	0.01305	0.01765	0.00433	0.00306	0.00739	—	20.8607	20.8607	0.00053	0.00015	20.9245

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.60252	35.8681	70.2099	0.12488	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
2030	1.60252	35.8681	70.2099	0.12489	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2031	1.60252	35.8681	70.2099	0.12489	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2032	1.33067	48.8399	35.3475	0.06089	1.36014	7.66623	8.78189	1.23132	3.93995	4.95601	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
2033	68.5184	34.0393	26.3840	0.03907	1.36180	0.00000	1.36180	1.27497	0.00000	1.27497	—	4,040.98	4,040.98	0.16392	0.03278	4,054.85
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2029	1.60252	35.8681	70.2099	0.12488	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
2030	1.60252	35.8681	70.2099	0.12489	0.25613	2.68645	2.94258	0.25613	0.40681	0.66293	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2031	1.60252	39.8532	70.2099	0.12489	1.11566	7.66623	8.78189	1.01606	3.93995	4.95601	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
2032	1.33067	48.8399	35.3475	0.06089	1.36014	7.66623	8.78189	1.23132	3.93995	4.95601	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
2033	68.5184	34.0393	26.3840	0.03907	1.36180	0.00000	1.36180	1.27497	0.00000	1.27497	—	4,040.98	4,040.98	0.16392	0.03278	4,054.85
2034	67.8010	14.3903	11.5634	0.01568	0.64363	0.00000	0.64363	0.60598	0.00000	0.60598	—	1,644.17	1,644.17	0.06669	0.01334	1,649.82
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.66171	14.8105	28.9908	0.05157	0.10576	1.10928	1.21504	0.10576	0.16798	0.27374	—	5,581.89	5,581.89	0.22643	0.04529	5,601.05
2030	1.14466	25.6200	50.1499	0.08921	0.18295	1.91890	2.10184	0.18295	0.29058	0.47352	—	9,655.96	9,655.96	0.39169	0.07834	9,689.10
2031	0.55738	13.4378	23.2886	0.04134	0.14637	1.29046	1.43684	0.14033	0.36401	0.50434	—	4,474.65	4,474.65	0.18151	0.03630	4,490.01
2032	0.84605	30.9612	22.2667	0.03832	0.87037	3.67810	4.54847	0.79048	1.73138	2.52186	—	4,144.23	4,144.23	0.16811	0.03362	4,158.45
2033	25.3572	16.6610	12.7503	0.01956	0.63970	0.00000	0.63970	0.59735	0.00000	0.59735	—	2,006.79	2,006.79	0.08140	0.01628	2,013.68
2034	2.65366	0.56322	0.45258	0.00061	0.02519	0.00000	0.02519	0.02372	0.00000	0.02372	—	64.3513	64.3513	0.00261	0.00052	64.5721
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.12076	2.70291	5.29082	0.00941	0.01930	0.20244	0.22174	0.01930	0.03066	0.04996	—	924.146	924.146	0.03749	0.00750	927.317
2030	0.20890	4.67566	9.15236	0.01628	0.03339	0.35020	0.38359	0.03339	0.05303	0.08642	—	1,598.65	1,598.65	0.06485	0.01297	1,604.14
2031	0.10172	2.45240	4.25018	0.00754	0.02671	0.23551	0.26222	0.02561	0.06643	0.09204	—	740.829	740.829	0.03005	0.00601	743.372
2032	0.15440	5.65042	4.06368	0.00699	0.15884	0.67125	0.83010	0.14426	0.31598	0.46024	—	686.124	686.124	0.02783	0.00557	688.479
2033	4.62768	3.04063	2.32693	0.00357	0.11674	0.00000	0.11674	0.10902	0.00000	0.10902	—	332.247	332.247	0.01348	0.00270	333.387
2034	0.48429	0.10279	0.08260	0.00011	0.00460	0.00000	0.00460	0.00433	0.00000	0.00433	—	10.6541	10.6541	0.00043	0.00009	10.6906

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.09949	0.96346	1.82373	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,170.15	1,170.15	0.05562	0.12702	1,211.74

2030	0.09591	0.92065	1.73684	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,143.84	1,143.84	0.05464	0.12173	1,183.59
2031	0.09161	0.88607	1.64564	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,117.63	1,117.63	0.04909	0.11617	1,155.36
2032	0.21965	10.9976	5.76891	0.07716	0.14697	3.27793	3.42490	0.14697	0.90726	1.05424	—	10,069.9	10,069.9	0.63420	1.58498	10,571.7
2033	1.85492	5.34269	29.5054	0.03796	0.03796	11.5667	11.6046	0.03796	2.77170	2.80966	—	13,338.5	13,338.5	0.26252	0.68465	13,569.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.09700	0.99902	1.62440	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,151.12	1,151.12	0.05536	0.14027	1,194.37
2030	0.09413	0.96444	1.54862	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,125.14	1,125.14	0.05536	0.12173	1,162.85
2031	0.08983	0.92190	1.46852	0.00556	0.01058	0.64199	0.65258	0.01058	0.16048	0.17107	—	1,099.25	1,099.25	0.04980	0.11644	1,135.25
2032	1.58710	11.4880	22.5042	0.07716	0.14697	9.71622	9.75418	0.14697	2.33796	2.37592	—	11,590.0	11,590.0	0.63052	1.58865	11,798.9
2033	1.85120	5.86393	25.7977	0.03796	0.03796	11.5667	11.6046	0.03796	2.77170	2.80966	—	12,908.4	12,908.4	0.26252	0.68465	13,119.5
2034	0.31055	0.23876	4.11824	0.00000	0.00000	1.85044	1.85044	0.00000	0.43374	0.43374	—	1,553.97	1,553.97	0.01561	0.00936	1,557.21
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.03997	0.41502	0.69457	0.00229	0.00437	0.26206	0.26643	0.00437	0.06551	0.06988	—	477.396	477.396	0.02286	0.05792	495.645
2030	0.06761	0.69682	1.14757	0.00397	0.00756	0.45333	0.46089	0.00756	0.11332	0.12088	—	807.202	807.202	0.03954	0.08695	834.750
2031	0.03033	0.28738	0.50241	0.00171	0.00325	0.20870	0.21195	0.00325	0.05195	0.05521	—	351.500	351.500	0.01544	0.03576	362.804
2032	0.14942	4.50394	3.16286	0.02995	0.05577	1.62634	1.68211	0.05577	0.43458	0.49035	—	4,217.49	4,217.49	0.24439	0.61169	4,408.46
2033	1.14340	3.83733	16.6217	0.02548	0.02548	7.08919	7.11467	0.02548	1.70095	1.72643	—	8,235.41	8,235.41	0.17125	0.45659	8,381.32
2034	0.01203	0.00922	0.16937	0.00000	0.00000	0.07153	0.07153	0.00000	0.01675	0.01675	—	61.6487	61.6487	0.00061	0.00037	61.8129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.00730	0.07574	0.12676	0.00042	0.00080	0.04783	0.04862	0.00080	0.01196	0.01275	—	79.0383	79.0383	0.00378	0.00959	82.0598
2030	0.01234	0.12717	0.20943	0.00072	0.00138	0.08273	0.08411	0.00138	0.02068	0.02206	—	133.641	133.641	0.00655	0.01440	138.202
2031	0.00553	0.05245	0.09169	0.00031	0.00059	0.03809	0.03868	0.00059	0.00948	0.01008	—	58.1948	58.1948	0.00256	0.00592	60.0664
2032	0.02727	0.82197	0.57722	0.00547	0.01018	0.29681	0.30699	0.01018	0.07931	0.08949	—	698.254	698.254	0.04046	0.10127	729.870
2033	0.20867	0.70031	3.03347	0.00465	0.00465	1.29378	1.29843	0.00465	0.31042	0.31507	—	1,363.47	1,363.47	0.02835	0.07559	1,387.62
2034	0.00220	0.00168	0.03091	0.00000	0.00000	0.01305	0.01305	0.00000	0.00306	0.00306	—	10.2066	10.2066	0.00010	0.00006	10.2338

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	68.9496	26.4391	305.027	0.77412	1.13423	77.7545	78.8887	1.09887	19.7303	20.8292	509.664	101,865	102,375	55.6963	2.74887	105,487
Mit.	67.9112	24.5557	292.943	0.73145	1.03170	73.8300	74.8617	0.99737	18.7345	19.7319	—	—	—	—	—	—
% Reduced	2%	7%	4%	6%	9%	5%	5%	9%	5%	5%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	61.3065	27.2564	216.286	0.74289	1.07474	77.7545	78.8292	1.05390	19.7303	20.7842	509.664	98,826.4	99,336.1	55.7391	2.85144	102,385
Mit.	60.2725	25.3028	205.290	0.70163	0.97220	73.8300	74.8022	0.95240	18.7345	19.6869	—	—	—	—	—	—
% Reduced	2%	7%	5%	6%	10%	5%	5%	10%	5%	5%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	66.3281	27.8720	268.769	0.75267	1.11550	76.7966	77.9121	1.08471	19.4908	20.5756	509.664	99,733.3	100,243	55.7370	2.86417	103,335
Mit.	65.3009	25.9079	257.461	0.71103	1.01296	72.9204	73.9334	0.98321	18.5071	19.4903	—	—	—	—	—	—
% Reduced	2%	7%	4%	6%	9%	5%	5%	9%	5%	5%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.1049	5.08665	49.0504	0.13736	0.20358	14.0154	14.2190	0.19796	3.55708	3.75504	84.3807	16,512.0	16,596.4	9.22790	0.47420	17,108.3
Mit.	11.9174	4.72818	46.9866	0.12976	0.18486	13.3080	13.4928	0.17944	3.37754	3.55698	—	—	—	—	—	—
% Reduced	2%	7%	4%	6%	9%	5%	5%	9%	5%	5%	—	—	—	—	—	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.7728	16.1796	231.574	0.71072	0.31323	77.7545	78.0677	0.29240	19.7303	20.0227	—	72,536.1	72,536.1	2.43249	2.41393	73,413.5
Area	47.6258	0.60529	67.7115	0.00329	0.05957	—	0.05957	0.04504	—	0.04504	0.00000	212.240	212.240	0.00889	0.00179	212.994
Energy	0.55103	9.65415	5.74160	0.06011	0.76143	—	0.76143	0.76143	—	0.76143	—	28,730.9	28,730.9	2.09863	0.14865	28,827.7
Water	—	—	—	—	—	—	—	—	—	—	74.5394	385.939	460.478	7.66711	0.18450	707.137
Waste	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Total	68.9496	26.4391	305.027	0.77412	1.13423	77.7545	78.8887	1.09887	19.7303	20.8292	509.664	101,865	102,375	55.6963	2.74887	105,487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.6842	17.6023	210.544	0.68278	0.31331	77.7545	78.0678	0.29247	19.7303	20.0228	—	69,709.5	69,709.5	2.48422	2.51829	70,524.6
Area	40.0713	0.00000	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	0.55103	9.65415	5.74160	0.06011	0.76143	—	0.76143	0.76143	—	0.76143	—	28,730.9	28,730.9	2.09863	0.14865	28,827.7
Water	—	—	—	—	—	—	—	—	—	—	74.5394	385.939	460.478	7.66711	0.18450	707.137
Waste	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Total	61.3065	27.2564	216.286	0.74289	1.07474	77.7545	78.8292	1.05390	19.7303	20.7842	509.664	98,826.4	99,336.1	55.7391	2.85144	102,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.5315	17.8033	216.650	0.69031	0.31326	76.7966	77.1098	0.29243	19.4908	19.7833	—	70,471.1	70,471.1	2.47603	2.52979	71,328.9
Area	45.2456	0.41458	46.3777	0.00225	0.04080	—	0.04080	0.03085	—	0.03085	0.00000	145.370	145.370	0.00609	0.00122	145.886
Energy	0.55103	9.65415	5.74160	0.06011	0.76143	—	0.76143	0.76143	—	0.76143	—	28,730.9	28,730.9	2.09863	0.14865	28,827.7
Water	—	—	—	—	—	—	—	—	—	—	74.5394	385.939	460.478	7.66711	0.18450	707.137
Waste	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Total	66.3281	27.8720	268.769	0.75267	1.11550	76.7966	77.9121	1.08471	19.4908	20.5756	509.664	99,733.3	100,243	55.7370	2.86417	103,335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.74699	3.24910	39.5386	0.12598	0.05717	14.0154	14.0725	0.05337	3.55708	3.61045	—	11,667.3	11,667.3	0.40993	0.41884	11,809.3
Area	8.25732	0.07566	8.46393	0.00041	0.00745	—	0.00745	0.00563	—	0.00563	0.00000	24.0676	24.0676	0.00101	0.00020	24.1532
Energy	0.10056	1.76188	1.04784	0.01097	0.13896	—	0.13896	0.13896	—	0.13896	—	4,756.73	4,756.73	0.34745	0.02461	4,772.75
Water	—	—	—	—	—	—	—	—	—	—	12.3409	63.8966	76.2375	1.26938	0.03055	117.075
Waste	—	—	—	—	—	—	—	—	—	—	72.0398	0.00000	72.0398	7.20012	0.00000	252.043
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	132.994
Total	12.1049	5.08665	49.0504	0.13736	0.20358	14.0154	14.2190	0.19796	3.55708	3.75504	84.3807	16,512.0	16,596.4	9.22790	0.47420	17,108.3

2.5. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.7972	15.3826	220.038	0.67490	0.29753	73.8300	74.1275	0.27774	18.7345	19.0122	—	68,880.7	68,880.7	2.31327	2.29423	69,714.5
Area	47.6258	0.60529	67.7115	0.00329	0.05957	—	0.05957	0.04504	—	0.04504	0.00000	212.240	212.240	0.00889	0.00179	212.994
Energy	0.48819	8.56781	5.19415	0.05326	0.67460	—	0.67460	0.67460	—	0.67460	—	26,102.8	26,102.8	1.89952	0.13658	26,191.0
Water	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Waste	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Total	67.9112	24.5557	292.943	0.73145	1.03170	73.8300	74.8617	0.99737	18.7345	19.7319	NaN	NaN	NaN	NaN	NaN	NaN
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.7131	16.7350	200.096	0.64837	0.29760	73.8300	74.1276	0.27781	18.7345	19.0123	—	66,196.8	66,196.8	2.36278	2.39344	66,971.5
Area	40.0713	0.00000	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	0.48819	8.56781	5.19415	0.05326	0.67460	—	0.67460	0.67460	—	0.67460	—	26,102.8	26,102.8	1.89952	0.13658	26,191.0
Water	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Waste	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Total	60.2725	25.3028	205.290	0.70163	0.97220	73.8300	74.8022	0.95240	18.7345	19.6869	NaN	NaN	NaN	NaN	NaN	NaN
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.5672	16.9255	205.889	0.65552	0.29756	72.9204	73.2180	0.27777	18.5071	18.7849	—	66,920.0	66,920.0	2.35493	2.40433	67,735.2
Area	45.2456	0.41458	46.3777	0.00225	0.04080	—	0.04080	0.03085	—	0.03085	0.00000	145.370	145.370	0.00609	0.00122	145.886
Energy	0.48819	8.56781	5.19415	0.05326	0.67460	—	0.67460	0.67460	—	0.67460	—	26,102.8	26,102.8	1.89952	0.13658	26,191.0
Water	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Waste	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Total	65.3009	25.9079	257.461	0.71103	1.01296	72.9204	73.9334	0.98321	18.5071	19.4903	NaN	NaN	NaN	NaN	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.57101	3.08890	37.5747	0.11963	0.05430	13.3080	13.3623	0.05069	3.37754	3.42824	—	11,079.4	11,079.4	0.38989	0.39806	11,214.3
Area	8.25732	0.07566	8.46393	0.00041	0.00745	—	0.00745	0.00563	—	0.00563	0.00000	24.0676	24.0676	0.00101	0.00020	24.1532
Energy	0.08910	1.56363	0.94793	0.00972	0.12311	—	0.12311	0.12311	—	0.12311	—	4,321.62	4,321.62	0.31449	0.02261	4,336.22
Water	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Waste	—	—	—	—	—	—	—	—	—	—	72.0398	0.00000	72.0398	7.20012	0.00000	252.043
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	132.994
Total	11.9174	4.72818	46.9866	0.12976	0.18486	13.3080	13.4928	0.17944	3.37754	3.55698	NaN	NaN	NaN	NaN	NaN	NaN

3. Construction Emissions Details

3.1. Demolition (2029)

3.1.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12488	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12488	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66171	14.8105	28.9908	0.05157	0.10576	—	0.10576	0.10576	—	0.10576	—	5,581.89	5,581.89	0.22643	0.04529	5,601.05
Demolition	—	—	—	—	—	1.10928	1.10928	—	0.16798	0.16798	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12076	2.70291	5.29082	0.00941	0.01930	—	0.01930	0.01930	—	0.01930	—	924.146	924.146	0.03749	0.00750	927.317
Demolition	—	—	—	—	—	0.20244	0.20244	—	0.03066	0.03066	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08706	0.08276	1.42584	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	401.757	401.757	0.00430	0.00215	403.553
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01243	0.88070	0.39789	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	768.396	768.396	0.05132	0.12487	808.184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08562	0.08419	1.22307	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	382.403	382.403	0.00430	0.01540	387.128
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01138	0.91483	0.40133	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	768.716	768.716	0.05106	0.12487	807.237
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03506	0.03476	0.52973	0.00000	0.00000	0.17325	0.17325	0.00000	0.04057	0.04057	—	160.057	160.057	0.00178	0.00636	162.184
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00492	0.38026	0.16484	0.00229	0.00437	0.08882	0.09319	0.00437	0.02494	0.02930	—	317.339	317.339	0.02108	0.05156	333.461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00640	0.00634	0.09668	0.00000	0.00000	0.03162	0.03162	0.00000	0.00740	0.00740	—	26.4993	26.4993	0.00029	0.00105	26.8514
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00090	0.06940	0.03008	0.00042	0.00080	0.01621	0.01701	0.00080	0.00455	0.00535	—	52.5390	52.5390	0.00349	0.00854	55.2083

3.1.3. Onsite - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12488	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12488	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.2	13,518.2	0.54836	0.10967	13,564.6
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66171	14.8105	28.9908	0.05157	0.10576	—	0.10576	0.10576	—	0.10576	—	5,581.89	5,581.89	0.22643	0.04529	5,601.05
Demolition	—	—	—	—	—	1.10928	1.10928	—	0.16798	0.16798	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12076	2.70291	5.29082	0.00941	0.01930	—	0.01930	0.01930	—	0.01930	—	924.146	924.146	0.03749	0.00750	927.317
Demolition	—	—	—	—	—	0.20244	0.20244	—	0.03066	0.03066	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08706	0.08276	1.42584	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	401.757	401.757	0.00430	0.00215	403.553
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01243	0.88070	0.39789	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	768.396	768.396	0.05132	0.12487	808.184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08562	0.08419	1.22307	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	382.403	382.403	0.00430	0.01540	387.128
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01138	0.91483	0.40133	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	768.716	768.716	0.05106	0.12487	807.237
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03506	0.03476	0.52973	0.00000	0.00000	0.17325	0.17325	0.00000	0.04057	0.04057	—	160.057	160.057	0.00178	0.00636	162.184
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00492	0.38026	0.16484	0.00229	0.00437	0.08882	0.09319	0.00437	0.02494	0.02930	—	317.339	317.339	0.02108	0.05156	333.461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00640	0.00634	0.09668	0.00000	0.00000	0.03162	0.03162	0.00000	0.00740	0.00740	—	26.4993	26.4993	0.00029	0.00105	26.8514
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00090	0.06940	0.03008	0.00042	0.00080	0.01621	0.01701	0.00080	0.00455	0.00535	—	52.5390	52.5390	0.00349	0.00854	55.2083

3.2. Demolition (2030)

3.2.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14466	25.6200	50.1499	0.08921	0.18295	—	0.18295	0.18295	—	0.18295	—	9,655.96	9,655.96	0.39169	0.07834	9,689.10
Demolition	—	—	—	—	—	1.91890	1.91890	—	0.29058	0.29058	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20890	4.67566	9.15236	0.01628	0.03339	—	0.03339	0.03339	—	0.03339	—	1,598.65	1,598.65	0.06485	0.01297	1,604.14
Demolition	—	—	—	—	—	0.35020	0.35020	—	0.05303	0.05303	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08347	0.06878	1.34953	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	395.327	395.327	0.00358	0.00215	396.982
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01243	0.85187	0.38731	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	748.512	748.512	0.05106	0.11958	786.603
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08276	0.08347	1.15787	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	376.300	376.300	0.00430	0.00215	377.072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01138	0.88097	0.39075	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	748.840	748.840	0.05106	0.11958	785.781
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05911	0.05962	0.86978	0.00000	0.00000	0.29969	0.29969	0.00000	0.07019	0.07019	—	272.452	272.452	0.00307	0.00154	273.272
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00850	0.63720	0.27778	0.00397	0.00756	0.15364	0.16120	0.00756	0.04313	0.05069	—	534.750	534.750	0.03647	0.08541	561.478
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01079	0.01088	0.15874	0.00000	0.00000	0.05469	0.05469	0.00000	0.01281	0.01281	—	45.1075	45.1075	0.00051	0.00025	45.2433
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00155	0.11629	0.05070	0.00072	0.00138	0.02804	0.02942	0.00138	0.00787	0.00925	—	88.5339	88.5339	0.00604	0.01414	92.9591

3.2.3. Onsite - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14466	25.6200	50.1499	0.08921	0.18295	—	0.18295	0.18295	—	0.18295	—	9,655.96	9,655.96	0.39169	0.07834	9,689.10
Demolition	—	—	—	—	—	1.91890	1.91890	—	0.29058	0.29058	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20890	4.67566	9.15236	0.01628	0.03339	—	0.03339	0.03339	—	0.03339	—	1,598.65	1,598.65	0.06485	0.01297	1,604.14
Demolition	—	—	—	—	—	0.35020	0.35020	—	0.05303	0.05303	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08347	0.06878	1.34953	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	395.327	395.327	0.00358	0.00215	396.982
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01243	0.85187	0.38731	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	748.512	748.512	0.05106	0.11958	786.603
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08276	0.08347	1.15787	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	376.300	376.300	0.00430	0.00215	377.072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01138	0.88097	0.39075	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	748.840	748.840	0.05106	0.11958	785.781
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05911	0.05962	0.86978	0.00000	0.00000	0.29969	0.29969	0.00000	0.07019	0.07019	—	272.452	272.452	0.00307	0.00154	273.272
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00850	0.63720	0.27778	0.00397	0.00756	0.15364	0.16120	0.00756	0.04313	0.05069	—	534.750	534.750	0.03647	0.08541	561.478
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01079	0.01088	0.15874	0.00000	0.00000	0.05469	0.05469	0.00000	0.01281	0.01281	—	45.1075	45.1075	0.00051	0.00025	45.2433
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00155	0.11629	0.05070	0.00072	0.00138	0.02804	0.02942	0.00138	0.00787	0.00925	—	88.5339	88.5339	0.00604	0.01414	92.9591

3.3. Demolition (2031)

3.3.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49236	11.0201	21.5713	0.03837	0.07869	—	0.07869	0.07869	—	0.07869	—	4,153.39	4,153.39	0.16848	0.03370	4,167.64
Demolition	—	—	—	—	—	0.82539	0.82539	—	0.12499	0.12499	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08986	2.01117	3.93677	0.00700	0.01436	—	0.01436	0.01436	—	0.01436	—	687.641	687.641	0.02789	0.00558	690.000
Demolition	—	—	—	—	—	0.15063	0.15063	—	0.02281	0.02281	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07917	0.06807	1.27394	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	389.447	389.447	0.00358	0.00215	390.992
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01243	0.81800	0.37170	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	728.184	728.184	0.04550	0.11402	764.368
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07846	0.06950	1.09338	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	370.735	370.735	0.00430	0.00215	371.504
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01138	0.85240	0.37514	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	728.520	728.520	0.04550	0.11429	763.743
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02411	0.02135	0.35046	0.00000	0.00000	0.12891	0.12891	0.00000	0.03019	0.03019	—	115.453	115.453	0.00132	0.00066	115.792
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00366	0.26376	0.11469	0.00171	0.00325	0.06609	0.06934	0.00325	0.01855	0.02181	—	223.771	223.771	0.01398	0.03503	234.702
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00440	0.00390	0.06396	0.00000	0.00000	0.02353	0.02353	0.00000	0.00551	0.00551	—	19.1146	19.1146	0.00022	0.00011	19.1706
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00067	0.04814	0.02093	0.00031	0.00059	0.01206	0.01265	0.00059	0.00339	0.00398	—	37.0479	37.0479	0.00231	0.00580	38.8575

3.3.3. Onsite - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60252	35.8681	70.2099	0.12489	0.25613	—	0.25613	0.25613	—	0.25613	—	13,518.3	13,518.3	0.54836	0.10967	13,564.7
Demolition	—	—	—	—	—	2.68645	2.68645	—	0.40681	0.40681	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49236	11.0201	21.5713	0.03837	0.07869	—	0.07869	0.07869	—	0.07869	—	4,153.39	4,153.39	0.16848	0.03370	4,167.64
Demolition	—	—	—	—	—	0.82539	0.82539	—	0.12499	0.12499	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08986	2.01117	3.93677	0.00700	0.01436	—	0.01436	0.01436	—	0.01436	—	687.641	687.641	0.02789	0.00558	690.000
Demolition	—	—	—	—	—	0.15063	0.15063	—	0.02281	0.02281	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07917	0.06807	1.27394	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	389.447	389.447	0.00358	0.00215	390.992
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01243	0.81800	0.37170	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	728.184	728.184	0.04550	0.11402	764.368
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07846	0.06950	1.09338	0.00000	0.00000	0.42481	0.42481	0.00000	0.09957	0.09957	—	370.735	370.735	0.00430	0.00215	371.504
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01138	0.85240	0.37514	0.00556	0.01058	0.21719	0.22777	0.01058	0.06091	0.07149	—	728.520	728.520	0.04550	0.11429	763.743
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02411	0.02135	0.35046	0.00000	0.00000	0.12891	0.12891	0.00000	0.03019	0.03019	—	115.453	115.453	0.00132	0.00066	115.792
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00366	0.26376	0.11469	0.00171	0.00325	0.06609	0.06934	0.00325	0.01855	0.02181	—	223.771	223.771	0.01398	0.03503	234.702
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00440	0.00390	0.06396	0.00000	0.00000	0.02353	0.02353	0.00000	0.00551	0.00551	—	19.1146	19.1146	0.00022	0.00011	19.1706
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00067	0.04814	0.02093	0.00031	0.00059	0.01206	0.01265	0.00059	0.00339	0.00398	—	37.0479	37.0479	0.00231	0.00580	38.8575

3.4. Site Preparation (2031)

3.4.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04889	1.11566	—	1.11566	1.01606	—	1.01606	—	5,295.67	5,295.67	0.21482	0.04296	5,313.84
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06502	2.41771	1.71730	0.00297	0.06768	—	0.06768	0.06164	—	0.06164	—	321.264	321.264	0.01303	0.00261	322.366
Dust From Material Movement	—	—	—	—	—	0.46507	0.46507	—	0.23902	0.23902	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01187	0.44123	0.31341	0.00054	0.01235	—	0.01235	0.01125	—	0.01125	—	53.1888	53.1888	0.00216	0.00043	53.3714
Dust From Material Movement	—	—	—	—	—	0.08488	0.08488	—	0.04362	0.04362	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04225	0.03742	0.58874	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	199.626	199.626	0.00231	0.00116	200.041
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00256	0.00227	0.03726	0.00000	0.00000	0.01371	0.01371	0.00000	0.00321	0.00321	—	12.2751	12.2751	0.00014	0.00007	12.3110
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00047	0.00041	0.00680	0.00000	0.00000	0.00250	0.00250	0.00000	0.00059	0.00059	—	2.03228	2.03228	0.00002	0.00001	2.03823
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04889	1.11566	—	1.11566	1.01606	—	1.01606	—	5,295.67	5,295.67	0.21482	0.04296	5,313.84

Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06502	2.41771	1.71730	0.00297	0.06768	—	0.06768	0.06164	—	0.06164	—	321.264	321.264	0.01303	0.00261	322.366
Dust From Material Movement	—	—	—	—	—	0.46507	0.46507	—	0.23902	0.23902	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01187	0.44123	0.31341	0.00054	0.01235	—	0.01235	0.01125	—	0.01125	—	53.1888	53.1888	0.00216	0.00043	53.3714
Dust From Material Movement	—	—	—	—	—	0.08488	0.08488	—	0.04362	0.04362	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

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

Worker	0.04225	0.03742	0.58874	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	199.626	199.626	0.00231	0.00116	200.041
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00256	0.00227	0.03726	0.00000	0.00000	0.01371	0.01371	0.00000	0.00321	0.00321	—	12.2751	12.2751	0.00014	0.00007	12.3110
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00047	0.00041	0.00680	0.00000	0.00000	0.00250	0.00250	0.00000	0.00059	0.00059	—	2.03228	2.03228	0.00002	0.00001	2.03823
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Site Preparation (2032)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	1.11566	—	1.11566	1.01606	—	1.01606	—	5,296.00	5,296.00	0.21483	0.04297	5,314.17
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	1.11566	—	1.11566	1.01606	—	1.01606	—	5,296.00	5,296.00	0.21483	0.04297	5,314.17
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32721	12.1665	8.64190	0.01493	0.34059	—	0.34059	0.31019	—	0.31019	—	1,616.78	1,616.78	0.06558	0.01312	1,622.33
Dust From Material Movement	—	—	—	—	—	2.34038	2.34038	—	1.20280	1.20280	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05971	2.22039	1.57715	0.00272	0.06216	—	0.06216	0.05661	—	0.05661	—	267.677	267.677	0.01086	0.00217	268.595
Dust From Material Movement	—	—	—	—	—	0.42712	0.42712	—	0.21951	0.21951	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04109	0.02913	0.65279	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	206.668	206.668	0.00193	0.00116	207.445

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04109	0.03704	0.56154	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	196.741	196.741	0.00193	0.00116	197.144
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01243	0.01131	0.17932	0.00000	0.00000	0.06897	0.06897	0.00000	0.01615	0.01615	—	60.8795	60.8795	0.00059	0.00035	61.0500
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00227	0.00206	0.03273	0.00000	0.00000	0.01259	0.01259	0.00000	0.00295	0.00295	—	10.0793	10.0793	0.00010	0.00006	10.1075
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	1.11566	—	1.11566	1.01606	—	1.01606	—	5,296.00	5,296.00	0.21483	0.04297	5,314.17
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	1.11566	—	1.11566	1.01606	—	1.01606	—	5,296.00	5,296.00	0.21483	0.04297	5,314.17
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32721	12.1665	8.64190	0.01493	0.34059	—	0.34059	0.31019	—	0.31019	—	1,616.78	1,616.78	0.06558	0.01312	1,622.33
Dust From Material Movement	—	—	—	—	—	2.34038	2.34038	—	1.20280	1.20280	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05971	2.22039	1.57715	0.00272	0.06216	—	0.06216	0.05661	—	0.05661	—	267.677	267.677	0.01086	0.00217	268.595
Dust From Material Movement	—	—	—	—	—	0.42712	0.42712	—	0.21951	0.21951	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04109	0.02913	0.65279	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	206.668	206.668	0.00193	0.00116	207.445
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04109	0.03704	0.56154	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	196.741	196.741	0.00193	0.00116	197.144
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01243	0.01131	0.17932	0.00000	0.00000	0.06897	0.06897	0.00000	0.01615	0.01615	—	60.8795	60.8795	0.00059	0.00035	61.0500
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00227	0.00206	0.03273	0.00000	0.00000	0.01259	0.01259	0.00000	0.00295	0.00295	—	10.0793	10.0793	0.00010	0.00006	10.1075
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Grading (2032)

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

Off-Road Equipment	1.33067	48.8399	35.3475	0.06089	1.36014	—	1.36014	1.23132	—	1.23132	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
Dust From Material Movement	—	—	—	—	—	3.61681	3.61681	—	1.42912	1.42912	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06089	1.36014	—	1.36014	1.23132	—	1.23132	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
Dust From Material Movement	—	—	—	—	—	3.61681	3.61681	—	1.42912	1.42912	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49216	18.0641	13.0737	0.02252	0.50307	—	0.50307	0.45542	—	0.45542	—	2,438.33	2,438.33	0.09891	0.01978	2,446.69
Dust From Material Movement	—	—	—	—	—	1.33773	1.33773	—	0.52858	0.52858	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08982	3.29669	2.38596	0.00411	0.09181	—	0.09181	0.08311	—	0.08311	—	403.693	403.693	0.01638	0.00328	405.078
Dust From Material Movement	—	—	—	—	—	0.24413	0.24413	—	0.09647	0.09647	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04696	0.03329	0.74604	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	236.192	236.192	0.00220	0.00132	237.080
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.17270	10.9643	5.02287	0.07716	0.14697	3.01651	3.16349	0.14697	0.84599	0.99296	—	9,833.66	9,833.66	0.63199	1.58365	10,334.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04696	0.04233	0.64177	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	224.847	224.847	0.00220	0.00132	225.308
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15800	11.4457	5.06696	0.07716	0.14697	3.01651	3.16349	0.14697	0.84599	0.99296	—	9,838.42	9,838.42	0.62832	1.58733	10,327.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01721	0.01566	0.24829	0.00000	0.00000	0.09550	0.09550	0.00000	0.02237	0.02237	—	84.2946	84.2946	0.00082	0.00049	84.5307
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06116	4.26323	1.86457	0.02854	0.05436	1.10496	1.15932	0.05436	0.31021	0.36457	—	3,637.85	3,637.85	0.23239	0.58574	3,820.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00314	0.00286	0.04531	0.00000	0.00000	0.01743	0.01743	0.00000	0.00408	0.00408	—	13.9559	13.9559	0.00014	0.00008	13.9950
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01116	0.77804	0.34028	0.00521	0.00992	0.20165	0.21158	0.00992	0.05661	0.06653	—	602.287	602.287	0.03848	0.09698	632.499

3.6.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06089	1.36014	—	1.36014	1.23132	—	1.23132	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
Dust From Material Movement	—	—	—	—	—	3.61681	3.61681	—	1.42912	1.42912	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06089	1.36014	—	1.36014	1.23132	—	1.23132	—	6,592.51	6,592.51	0.26742	0.05348	6,615.13
Dust From Material Movement	—	—	—	—	—	3.61681	3.61681	—	1.42912	1.42912	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49216	18.0641	13.0737	0.02252	0.50307	—	0.50307	0.45542	—	0.45542	—	2,438.33	2,438.33	0.09891	0.01978	2,446.69
Dust From Material Movement	—	—	—	—	—	1.33773	1.33773	—	0.52858	0.52858	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08982	3.29669	2.38596	0.00411	0.09181	—	0.09181	0.08311	—	0.08311	—	403.693	403.693	0.01638	0.00328	405.078

Dust From Material Movement	—	—	—	—	—	0.24413	0.24413	—	0.09647	0.09647	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04696	0.03329	0.74604	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	236.192	236.192	0.00220	0.00132	237.080
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.17270	10.9643	5.02287	0.07716	0.14697	3.01651	3.16349	0.14697	0.84599	0.99296	—	9,833.66	9,833.66	0.63199	1.58365	10,334.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04696	0.04233	0.64177	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	224.847	224.847	0.00220	0.00132	225.308
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15800	11.4457	5.06696	0.07716	0.14697	3.01651	3.16349	0.14697	0.84599	0.99296	—	9,838.42	9,838.42	0.62832	1.58733	10,327.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01721	0.01566	0.24829	0.00000	0.00000	0.09550	0.09550	0.00000	0.02237	0.02237	—	84.2946	84.2946	0.00082	0.00049	84.5307
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06116	4.26323	1.86457	0.02854	0.05436	1.10496	1.15932	0.05436	0.31021	0.36457	—	3,637.85	3,637.85	0.23239	0.58574	3,820.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00314	0.00286	0.04531	0.00000	0.00000	0.01743	0.01743	0.00000	0.00408	0.00408	—	13.9559	13.9559	0.00014	0.00008	13.9950
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01116	0.77804	0.34028	0.00521	0.00992	0.20165	0.21158	0.00992	0.05661	0.06653	—	602.287	602.287	0.03848	0.09698	632.499

3.7. Building Construction (2032)

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71750	19.6495	14.8207	0.02340	0.71831	—	0.71831	0.66911	—	0.66911	—	2,396.83	2,396.83	0.09723	0.01945	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02668	0.73061	0.55106	0.00087	0.02671	—	0.02671	0.02488	—	0.02488	—	89.1190	89.1190	0.00362	0.00072	89.4248
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00487	0.13334	0.10057	0.00016	0.00487	—	0.00487	0.00454	—	0.00454	—	14.7547	14.7547	0.00060	0.00012	14.8053
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.48587	1.33937	20.3069	0.00000	0.00000	8.27187	8.27187	0.00000	1.93891	1.93891	—	7,114.65	7,114.65	0.06976	0.04186	7,129.23
Vendor	0.10123	4.41246	2.19730	0.03796	0.03796	1.44436	1.48232	0.03796	0.39905	0.43701	—	4,475.39	4,475.39	0.21511	0.63344	4,669.70
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05473	0.04980	0.78981	0.00000	0.00000	0.30377	0.30377	0.00000	0.07114	0.07114	—	268.138	268.138	0.00259	0.00156	268.889
Vendor	0.00390	0.16395	0.08087	0.00141	0.00141	0.05315	0.05456	0.00141	0.01470	0.01611	—	166.336	166.336	0.00800	0.02355	173.661
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00999	0.00909	0.14414	0.00000	0.00000	0.05544	0.05544	0.00000	0.01298	0.01298	—	44.3933	44.3933	0.00043	0.00026	44.5176
Vendor	0.00071	0.02992	0.01476	0.00026	0.00026	0.00970	0.00996	0.00026	0.00268	0.00294	—	27.5388	27.5388	0.00132	0.00390	28.7515
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71750	19.6495	14.8207	0.02340	0.71831	—	0.71831	0.66911	—	0.66911	—	2,396.83	2,396.83	0.09723	0.01945	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02668	0.73061	0.55106	0.00087	0.02671	—	0.02671	0.02488	—	0.02488	—	89.1190	89.1190	0.00362	0.00072	89.4248
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00487	0.13334	0.10057	0.00016	0.00487	—	0.00487	0.00454	—	0.00454	—	14.7547	14.7547	0.00060	0.00012	14.8053
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.48587	1.33937	20.3069	0.00000	0.00000	8.27187	8.27187	0.00000	1.93891	1.93891	—	7,114.65	7,114.65	0.06976	0.04186	7,129.23
Vendor	0.10123	4.41246	2.19730	0.03796	0.03796	1.44436	1.48232	0.03796	0.39905	0.43701	—	4,475.39	4,475.39	0.21511	0.63344	4,669.70
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05473	0.04980	0.78981	0.00000	0.00000	0.30377	0.30377	0.00000	0.07114	0.07114	—	268.138	268.138	0.00259	0.00156	268.889
Vendor	0.00390	0.16395	0.08087	0.00141	0.00141	0.05315	0.05456	0.00141	0.01470	0.01611	—	166.336	166.336	0.00800	0.02355	173.661
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00999	0.00909	0.14414	0.00000	0.00000	0.05544	0.05544	0.00000	0.01298	0.01298	—	44.3933	44.3933	0.00043	0.00026	44.5176
Vendor	0.00071	0.02992	0.01476	0.00026	0.00026	0.00970	0.00996	0.00026	0.00268	0.00294	—	27.5388	27.5388	0.00132	0.00390	28.7515
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Building Construction (2033)

3.8.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71745	19.6489	14.8207	0.02340	0.71817	—	0.71817	0.66899	—	0.66899	—	2,396.83	2,396.83	0.09723	0.01945	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71745	19.6489	14.8207	0.02340	0.71817	—	0.71817	0.66899	—	0.66899	—	2,396.83	2,396.83	0.09723	0.01945	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48157	13.1890	9.94812	0.01570	0.48206	—	0.48206	0.44905	—	0.44905	—	1,608.83	1,608.83	0.06526	0.01305	1,614.35
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08789	2.40699	1.81553	0.00287	0.08798	—	0.08798	0.08195	—	0.08195	—	266.361	266.361	0.01080	0.00216	267.275
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43006	1.05336	22.4206	0.00000	0.00000	8.27187	8.27187	0.00000	1.93891	1.93891	—	7,380.35	7,380.35	0.06976	0.04186	7,406.68
Vendor	0.10495	4.05369	2.06927	0.03796	0.03796	1.44436	1.48232	0.03796	0.39905	0.43701	—	4,307.19	4,307.19	0.17715	0.63344	4,506.03
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43006	1.32542	19.3512	0.00000	0.00000	8.27187	8.27187	0.00000	1.93891	1.93891	—	7,026.19	7,026.19	0.06976	0.04186	7,040.72
Vendor	0.10123	4.24201	2.11765	0.03796	0.03796	1.44436	1.48232	0.03796	0.39905	0.43701	—	4,310.42	4,310.42	0.17715	0.63344	4,503.75
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95990	0.88967	13.6166	0.00000	0.00000	5.48389	5.48389	0.00000	1.28435	1.28435	—	4,780.36	4,780.36	0.04682	0.02809	4,793.42
Vendor	0.07045	2.84288	1.40145	0.02548	0.02548	0.95943	0.98491	0.02548	0.26534	0.29082	—	2,892.04	2,892.04	0.11891	0.42518	3,023.35
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17518	0.16236	2.48503	0.00000	0.00000	1.00081	1.00081	0.00000	0.23439	0.23439	—	791.443	791.443	0.00775	0.00465	793.606
Vendor	0.01286	0.51883	0.25577	0.00465	0.00465	0.17510	0.17975	0.00465	0.04842	0.05307	—	478.810	478.810	0.01969	0.07039	500.551
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71745	19.6489	14.8207	0.02340	0.71817	—	0.71817	0.66899	—	0.66899	—	2,396.83	2,396.83	0.09723	0.01945	2,405.06

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71745	19.6489	14.8207	0.02340	0.71817	—	0.71817	0.66899	—	0.66899	—	2,396.83	2,396.83	0.09723	0.01945	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48157	13.1890	9.94812	0.01570	0.48206	—	0.48206	0.44905	—	0.44905	—	1,608.83	1,608.83	0.06526	0.01305	1,614.35
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08789	2.40699	1.81553	0.00287	0.08798	—	0.08798	0.08195	—	0.08195	—	266.361	266.361	0.01080	0.00216	267.275
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43006	1.05336	22.4206	0.00000	0.00000	8.27187	8.27187	0.00000	1.93891	1.93891	—	7,380.35	7,380.35	0.06976	0.04186	7,406.68
Vendor	0.10495	4.05369	2.06927	0.03796	0.03796	1.44436	1.48232	0.03796	0.39905	0.43701	—	4,307.19	4,307.19	0.17715	0.63344	4,506.03
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.43006	1.32542	19.3512	0.00000	0.00000	8.27187	8.27187	0.00000	1.93891	1.93891	—	7,026.19	7,026.19	0.06976	0.04186	7,040.72
Vendor	0.10123	4.24201	2.11765	0.03796	0.03796	1.44436	1.48232	0.03796	0.39905	0.43701	—	4,310.42	4,310.42	0.17715	0.63344	4,503.75
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95990	0.88967	13.6166	0.00000	0.00000	5.48389	5.48389	0.00000	1.28435	1.28435	—	4,780.36	4,780.36	0.04682	0.02809	4,793.42
Vendor	0.07045	2.84288	1.40145	0.02548	0.02548	0.95943	0.98491	0.02548	0.26534	0.29082	—	2,892.04	2,892.04	0.11891	0.42518	3,023.35
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17518	0.16236	2.48503	0.00000	0.00000	1.00081	1.00081	0.00000	0.23439	0.23439	—	791.443	791.443	0.00775	0.00465	793.606
Vendor	0.01286	0.51883	0.25577	0.00465	0.00465	0.17510	0.17975	0.00465	0.04842	0.05307	—	478.810	478.810	0.01969	0.07039	500.551
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Paving (2033)

3.9.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,510.63	1,510.63	0.06128	0.01226	1,515.81
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,510.63	1,510.63	0.06128	0.01226	1,515.81

Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11599	3.07184	2.44779	0.00322	0.13344	—	0.13344	0.12583	—	0.12583	—	348.834	348.834	0.01415	0.00283	350.031
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02117	0.56061	0.44672	0.00059	0.02435	—	0.02435	0.02296	—	0.02296	—	57.7535	57.7535	0.00234	0.00047	57.9517
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03390	0.02497	0.53142	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	174.933	174.933	0.00165	0.00099	175.557
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03390	0.03142	0.45867	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	166.538	166.538	0.00165	0.00099	166.883
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00783	0.00725	0.11103	0.00000	0.00000	0.04472	0.04472	0.00000	0.01047	0.01047	—	38.9801	38.9801	0.00038	0.00023	39.0866
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00143	0.00132	0.02026	0.00000	0.00000	0.00816	0.00816	0.00000	0.00191	0.00191	—	6.45360	6.45360	0.00006	0.00004	6.47124
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,510.63	1,510.63	0.06128	0.01226	1,515.81
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,510.63	1,510.63	0.06128	0.01226	1,515.81
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.11599	3.07184	2.44779	0.00322	0.13344	—	0.13344	0.12583	—	0.12583	—	348.834	348.834	0.01415	0.00283	350.031
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02117	0.56061	0.44672	0.00059	0.02435	—	0.02435	0.02296	—	0.02296	—	57.7535	57.7535	0.00234	0.00047	57.9517
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03390	0.02497	0.53142	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	174.933	174.933	0.00165	0.00099	175.557
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03390	0.03142	0.45867	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	166.538	166.538	0.00165	0.00099	166.883
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00783	0.00725	0.11103	0.00000	0.00000	0.04472	0.04472	0.00000	0.01047	0.01047	—	38.9801	38.9801	0.00038	0.00023	39.0866
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00143	0.00132	0.02026	0.00000	0.00000	0.00816	0.00816	0.00000	0.00191	0.00191	—	6.45360	6.45360	0.00006	0.00004	6.47124
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Paving (2034)

3.10.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,510.64	1,510.64	0.06128	0.01226	1,515.83
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01966	0.52065	0.41488	0.00055	0.02262	—	0.02262	0.02133	—	0.02133	—	59.1250	59.1250	0.00240	0.00048	59.3279
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00359	0.09502	0.07572	0.00010	0.00413	—	0.00413	0.00389	—	0.00389	—	9.78882	9.78882	0.00040	0.00008	9.82241

Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03290	0.02530	0.43635	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	164.652	164.652	0.00165	0.00099	164.995
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00127	0.00098	0.01795	0.00000	0.00000	0.00758	0.00758	0.00000	0.00178	0.00178	—	6.53202	6.53202	0.00006	0.00004	6.54942
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00023	0.00018	0.00328	0.00000	0.00000	0.00138	0.00138	0.00000	0.00032	0.00032	—	1.08145	1.08145	0.00001	0.00001	1.08433
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.3. Onsite - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,510.64	1,510.64	0.06128	0.01226	1,515.83
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01966	0.52065	0.41488	0.00055	0.02262	—	0.02262	0.02133	—	0.02133	—	59.1250	59.1250	0.00240	0.00048	59.3279
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00359	0.09502	0.07572	0.00010	0.00413	—	0.00413	0.00389	—	0.00389	—	9.78882	9.78882	0.00040	0.00008	9.82241
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.4. Offsite - Mitigated

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

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

Worker	0.03290	0.02530	0.43635	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	164.652	164.652	0.00165	0.00099	164.995
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00127	0.00098	0.01795	0.00000	0.00000	0.00758	0.00758	0.00000	0.00178	0.00178	—	6.53202	6.53202	0.00006	0.00004	6.54942
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00023	0.00018	0.00328	0.00000	0.00000	0.00138	0.00138	0.00000	0.00032	0.00032	—	1.08145	1.08145	0.00001	0.00001	1.08433
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Architectural Coating (2033)

3.11.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.516	133.516	0.00542	0.00108	133.975
Architectural Coatings	67.2470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.516	133.516	0.00542	0.00108	133.975
Architectural Coatings	67.2470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01901	0.40017	0.35436	0.00064	0.02420	—	0.02420	0.02247	—	0.02247	—	49.1215	49.1215	0.00199	0.00040	49.2901
Architectural Coatings	24.7406	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00347	0.07303	0.06467	0.00012	0.00442	—	0.00442	0.00410	—	0.00410	—	8.13263	8.13263	0.00033	0.00007	8.16054
Architectural Coatings	4.51516	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.11.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28601	0.21067	4.48412	0.00000	0.00000	1.65437	1.65437	0.00000	0.38778	0.38778	—	1,476.07	1,476.07	0.01395	0.00837	1,481.34
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28601	0.26508	3.87024	0.00000	0.00000	1.65437	1.65437	0.00000	0.38778	0.38778	—	1,405.24	1,405.24	0.01395	0.00837	1,408.14
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10523	0.09753	1.49266	0.00000	0.00000	0.60115	0.60115	0.00000	0.14079	0.14079	—	524.028	524.028	0.00513	0.00308	525.460
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01920	0.01780	0.27241	0.00000	0.00000	0.10971	0.10971	0.00000	0.02569	0.02569	—	86.7588	86.7588	0.00085	0.00051	86.9959
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.11.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.516	133.516	0.00542	0.00108	133.975
Architectural Coatings	67.2470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.516	133.516	0.00542	0.00108	133.975
Architectural Coatings	67.2470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01901	0.40017	0.35436	0.00064	0.02420	—	0.02420	0.02247	—	0.02247	—	49.1215	49.1215	0.00199	0.00040	49.2901
Architectural Coatings	24.7406	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00347	0.07303	0.06467	0.00012	0.00442	—	0.00442	0.00410	—	0.00410	—	8.13263	8.13263	0.00033	0.00007	8.16054
Architectural Coatings	4.51516	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.11.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28601	0.21067	4.48412	0.00000	0.00000	1.65437	1.65437	0.00000	0.38778	0.38778	—	1,476.07	1,476.07	0.01395	0.00837	1,481.34
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28601	0.26508	3.87024	0.00000	0.00000	1.65437	1.65437	0.00000	0.38778	0.38778	—	1,405.24	1,405.24	0.01395	0.00837	1,408.14
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10523	0.09753	1.49266	0.00000	0.00000	0.60115	0.60115	0.00000	0.14079	0.14079	—	524.028	524.028	0.00513	0.00308	525.460
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01920	0.01780	0.27241	0.00000	0.00000	0.10971	0.10971	0.00000	0.02569	0.02569	—	86.7588	86.7588	0.00085	0.00051	86.9959
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.12. Architectural Coating (2034)

3.12.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.530	133.530	0.00542	0.00108	133.989
Architectural Coatings	67.2470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00202	0.04257	0.03770	0.00007	0.00257	—	0.00257	0.00239	—	0.00239	—	5.22624	5.22624	0.00021	0.00004	5.24417
Architectural Coatings	2.63198	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00037	0.00777	0.00688	0.00001	0.00047	—	0.00047	0.00044	—	0.00044	—	0.86526	0.86526	0.00004	0.00001	0.86823
Architectural Coatings	0.48034	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.12.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27764	0.21346	3.68189	0.00000	0.00000	1.65437	1.65437	0.00000	0.38778	0.38778	—	1,389.32	1,389.32	0.01395	0.00837	1,392.22
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01076	0.00825	0.15142	0.00000	0.00000	0.06395	0.06395	0.00000	0.01498	0.01498	—	55.1167	55.1167	0.00055	0.00033	55.2635
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00196	0.00150	0.02763	0.00000	0.00000	0.01167	0.01167	0.00000	0.00273	0.00273	—	9.12520	9.12520	0.00009	0.00005	9.14950
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.12.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.530	133.530	0.00542	0.00108	133.989
Architectural Coatings	67.2470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00202	0.04257	0.03770	0.00007	0.00257	—	0.00257	0.00239	—	0.00239	—	5.22624	5.22624	0.00021	0.00004	5.24417
Architectural Coatings	2.63198	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00037	0.00777	0.00688	0.00001	0.00047	—	0.00047	0.00044	—	0.00044	—	0.86526	0.86526	0.00004	0.00001	0.86823
Architectural Coatings	0.48034	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.12.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27764	0.21346	3.68189	0.00000	0.00000	1.65437	1.65437	0.00000	0.38778	0.38778	—	1,389.32	1,389.32	0.01395	0.00837	1,392.22
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01076	0.00825	0.15142	0.00000	0.00000	0.06395	0.06395	0.00000	0.01498	0.01498	—	55.1167	55.1167	0.00055	0.00033	55.2635
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00196	0.00150	0.02763	0.00000	0.00000	0.01167	0.01167	0.00000	0.00273	0.00273	—	9.12520	9.12520	0.00009	0.00005	9.14950
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. 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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	8.74899	6.46280	91.2838	0.27627	0.12254	30.1677	30.2903	0.11438	7.65511	7.76948	—	28,196.9	28,196.9	0.97743	0.95680	28,544.2
Apartments Low Rise	5.95925	4.40205	62.1767	0.18818	0.08347	20.5483	20.6318	0.07791	5.21417	5.29207	—	19,205.9	19,205.9	0.66577	0.65171	19,442.5
Hotel	6.06452	5.31479	78.1136	0.24627	0.10723	27.0385	27.1457	0.10011	6.86105	6.96117	—	25,133.3	25,133.3	0.78929	0.80541	25,426.9
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	0.00000
Total	20.7728	16.1796	231.574	0.71072	0.31323	77.7545	78.0677	0.29240	19.7303	20.0227	—	72,536.1	72,536.1	2.43249	2.41393	73,413.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	8.71408	7.02949	83.3785	0.26544	0.12257	30.1677	30.2903	0.11441	7.65511	7.76952	—	27,100.8	27,100.8	1.00115	0.99839	27,424.3
Apartments Low Rise	5.93547	4.78804	56.7921	0.18080	0.08349	20.5483	20.6318	0.07793	5.21417	5.29210	—	18,459.3	18,459.3	0.68192	0.68004	18,679.7
Hotel	6.03468	5.78475	70.3735	0.23654	0.10725	27.0385	27.1457	0.10013	6.86105	6.96119	—	24,149.4	24,149.4	0.80116	0.83985	24,420.6
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	0.00000
Total	20.6842	17.6023	210.544	0.68278	0.31331	77.7545	78.0678	0.29247	19.7303	20.0228	—	69,709.5	69,709.5	2.48422	2.51829	70,524.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	1.57802	1.29642	15.6406	0.04897	0.02237	5.43778	5.46015	0.02088	1.38010	1.40098	—	4,535.74	4,535.74	0.16512	0.16598	4,592.03
Apartments Low Rise	1.07484	0.88304	10.6533	0.03336	0.01523	3.70387	3.71910	0.01422	0.94004	0.95426	—	3,089.45	3,089.45	0.11247	0.11305	3,127.79
Hotel	1.09413	1.06965	13.2447	0.04365	0.01957	4.87373	4.89330	0.01827	1.23694	1.25522	—	4,042.10	4,042.10	0.13235	0.13981	4,089.49
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	0.00000
Total	3.74699	3.24910	39.5386	0.12598	0.05717	14.0154	14.0725	0.05337	3.55708	3.61045	—	11,667.3	11,667.3	0.40993	0.41884	11,809.3

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	8.49877	6.27797	88.6731	0.26837	0.11903	29.3049	29.4240	0.11110	7.43617	7.54728	—	27,390.4	27,390.4	0.94948	0.92944	27,727.8
Apartments Low Rise	5.78882	4.27615	60.3984	0.18280	0.08108	19.9606	20.0417	0.07568	5.06504	5.14072	—	18,656.6	18,656.6	0.64673	0.63307	18,886.4
Hotel	5.50961	4.82849	70.9662	0.22374	0.09742	24.5644	24.6619	0.09095	6.23327	6.32422	—	22,833.6	22,833.6	0.71707	0.73172	23,100.3
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	0.00000
Total	19.7972	15.3826	220.038	0.67490	0.29753	73.8300	74.1275	0.27774	18.7345	19.0122	—	68,880.7	68,880.7	2.31327	2.29423	69,714.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	8.46485	6.82844	80.9939	0.25784	0.11907	29.3049	29.4240	0.11114	7.43617	7.54731	—	26,325.7	26,325.7	0.97252	0.96984	26,640.0
Apartments Low Rise	5.76572	4.65110	55.1678	0.17563	0.08110	19.9606	20.0417	0.07570	5.06504	5.14074	—	17,931.4	17,931.4	0.66241	0.66059	18,145.4

Hotel	5.48251	5.25544	63.9344	0.21490	0.09744	24.5644	24.6619	0.09097	6.23327	6.32424	—	21,939.7	21,939.7	0.72785	0.76301	22,186.1
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	0.00000
Total	19.7131	16.7350	200.096	0.64837	0.29760	73.8300	74.1276	0.27781	18.7345	19.0123	—	66,196.8	66,196.8	2.36278	2.39344	66,971.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.53289	1.25934	15.1932	0.04757	0.02173	5.28226	5.30399	0.02028	1.34063	1.36091	—	4,406.02	4,406.02	0.16040	0.16123	4,460.69
Apartments Low Rise	1.04410	0.85778	10.3487	0.03240	0.01480	3.59794	3.61274	0.01381	0.91315	0.92696	—	3,001.10	3,001.10	0.10925	0.10982	3,038.34
Hotel	0.99402	0.97177	12.0329	0.03965	0.01778	4.42778	4.44556	0.01660	1.12376	1.14036	—	3,672.25	3,672.25	0.12024	0.12701	3,715.30
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	0.00000
Total	3.57101	3.08890	37.5747	0.11963	0.05430	13.3080	13.3623	0.05069	3.37754	3.42824	—	11,079.4	11,079.4	0.38989	0.39806	11,214.3

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4,371.57	4,371.57	0.27118	0.03287	4,388.15
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2,040.18	2,040.18	0.12656	0.01534	2,047.91
Hotel	—	—	—	—	—	—	—	—	—	—	—	10,365.1	10,365.1	0.64297	0.07794	10,404.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16,776.8	16,776.8	1.04070	0.12615	16,840.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4,371.57	4,371.57	0.27118	0.03287	4,388.15
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2,040.18	2,040.18	0.12656	0.01534	2,047.91
Hotel	—	—	—	—	—	—	—	—	—	—	—	10,365.1	10,365.1	0.64297	0.07794	10,404.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16,776.8	16,776.8	1.04070	0.12615	16,840.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	723.763	723.763	0.04490	0.00544	726.508
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	337.775	337.775	0.02095	0.00254	339.056
Hotel	—	—	—	—	—	—	—	—	—	—	—	1,716.06	1,716.06	0.10645	0.01290	1,722.56
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2,777.59	2,777.59	0.17230	0.02088	2,788.13

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4,329.56	4,329.56	0.26857	0.03255	4,345.97

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2,013.32	2,013.32	0.12489	0.01514	2,020.95
Hotel	—	—	—	—	—	—	—	—	—	—	—	9,169.07	9,169.07	0.56878	0.06894	9,203.83
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	15,511.9	15,511.9	0.96224	0.11663	15,570.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4,329.56	4,329.56	0.26857	0.03255	4,345.97
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2,013.32	2,013.32	0.12489	0.01514	2,020.95
Hotel	—	—	—	—	—	—	—	—	—	—	—	9,169.07	9,169.07	0.56878	0.06894	9,203.83
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	15,511.9	15,511.9	0.96224	0.11663	15,570.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	716.808	716.808	0.04447	0.00539	719.526
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	333.327	333.327	0.02068	0.00251	334.591
Hotel	—	—	—	—	—	—	—	—	—	—	—	1,518.04	1,518.04	0.09417	0.01141	1,523.80
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2,568.18	2,568.18	0.15931	0.01931	2,577.92

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.24635	4.21040	1.79166	0.02687	0.34042	—	0.34042	0.34042	—	0.34042	—	5,344.37	5,344.37	0.47297	0.01006	5,359.20
Apartments Low Rise	0.08792	1.50268	0.63944	0.00959	0.12149	—	0.12149	0.12149	—	0.12149	—	1,907.39	1,907.39	0.16880	0.00359	1,912.68
Hotel	0.21676	3.94107	3.31050	0.02365	0.29952	—	0.29952	0.29952	—	0.29952	—	4,702.35	4,702.35	0.41616	0.00885	4,715.39
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
Total	0.55103	9.65415	5.74160	0.06011	0.76143	—	0.76143	0.76143	—	0.76143	—	11,954.1	11,954.1	1.05793	0.02251	11,987.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.24635	4.21040	1.79166	0.02687	0.34042	—	0.34042	0.34042	—	0.34042	—	5,344.37	5,344.37	0.47297	0.01006	5,359.20
Apartments Low Rise	0.08792	1.50268	0.63944	0.00959	0.12149	—	0.12149	0.12149	—	0.12149	—	1,907.39	1,907.39	0.16880	0.00359	1,912.68
Hotel	0.21676	3.94107	3.31050	0.02365	0.29952	—	0.29952	0.29952	—	0.29952	—	4,702.35	4,702.35	0.41616	0.00885	4,715.39
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
Total	0.55103	9.65415	5.74160	0.06011	0.76143	—	0.76143	0.76143	—	0.76143	—	11,954.1	11,954.1	1.05793	0.02251	11,987.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.04496	0.76840	0.32698	0.00490	0.06213	—	0.06213	0.06213	—	0.06213	—	884.822	884.822	0.07831	0.00167	887.276
Apartments Low Rise	0.01605	0.27424	0.11670	0.00175	0.02217	—	0.02217	0.02217	—	0.02217	—	315.790	315.790	0.02795	0.00059	316.666
Hotel	0.03956	0.71925	0.60417	0.00432	0.05466	—	0.05466	0.05466	—	0.05466	—	778.528	778.528	0.06890	0.00147	780.687
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
Total	0.10056	1.76188	1.04784	0.01097	0.13896	—	0.13896	0.13896	—	0.13896	—	1,979.14	1,979.14	0.17515	0.00373	1,984.63

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.20817	3.55782	1.51397	0.02271	0.28765	—	0.28765	0.28765	—	0.28765	—	4,516.03	4,516.03	0.39967	0.00850	4,528.56
Apartments Low Rise	0.07457	1.27444	0.54231	0.00813	0.10304	—	0.10304	0.10304	—	0.10304	—	1,617.68	1,617.68	0.14316	0.00305	1,622.17
Hotel	0.20546	3.73555	3.13787	0.02241	0.28390	—	0.28390	0.28390	—	0.28390	—	4,457.14	4,457.14	0.39445	0.00839	4,469.50
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
Total	0.48819	8.56781	5.19415	0.05326	0.67460	—	0.67460	0.67460	—	0.67460	—	10,590.9	10,590.9	0.93729	0.01994	10,620.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.20817	3.55782	1.51397	0.02271	0.28765	—	0.28765	0.28765	—	0.28765	—	4,516.03	4,516.03	0.39967	0.00850	4,528.56
Apartments Low Rise	0.07457	1.27444	0.54231	0.00813	0.10304	—	0.10304	0.10304	—	0.10304	—	1,617.68	1,617.68	0.14316	0.00305	1,622.17
Hotel	0.20546	3.73555	3.13787	0.02241	0.28390	—	0.28390	0.28390	—	0.28390	—	4,457.14	4,457.14	0.39445	0.00839	4,469.50
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
Total	0.48819	8.56781	5.19415	0.05326	0.67460	—	0.67460	0.67460	—	0.67460	—	10,590.9	10,590.9	0.93729	0.01994	10,620.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.03799	0.64930	0.27630	0.00414	0.05250	—	0.05250	0.05250	—	0.05250	—	747.681	747.681	0.06617	0.00141	749.755
Apartments Low Rise	0.01361	0.23259	0.09897	0.00148	0.01880	—	0.01880	0.01880	—	0.01880	—	267.825	267.825	0.02370	0.00050	268.568

Hotel	0.03750	0.68174	0.57266	0.00409	0.05181	—	0.05181	0.05181	—	0.05181	—	737.930	737.930	0.06531	0.00139	739.977
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
Total	0.08910	1.56363	0.94793	0.00972	0.12311	—	0.12311	0.12311	—	0.12311	—	1,753.44	1,753.44	0.15518	0.00330	1,758.30

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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
Consumer Products	37.3077	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.76358	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.55449	0.60529	67.7115	0.00329	0.05957	—	0.05957	0.04504	—	0.04504	—	212.240	212.240	0.00889	0.00179	212.994
Total	47.6258	0.60529	67.7115	0.00329	0.05957	—	0.05957	0.04504	—	0.04504	0.00000	212.240	212.240	0.00889	0.00179	212.994
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
Consumer Products	37.3077	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.76358	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	40.0713	0.00000	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
Consumer Products	6.80865	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.50435	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.94431	0.07566	8.46393	0.00041	0.00745	—	0.00745	0.00563	—	0.00563	—	24.0676	24.0676	0.00101	0.00020	24.1532
Total	8.25732	0.07566	8.46393	0.00041	0.00745	—	0.00745	0.00563	—	0.00563	0.00000	24.0676	24.0676	0.00101	0.00020	24.1532

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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
Consumer Products	37.3077	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.76358	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.55449	0.60529	67.7115	0.00329	0.05957	—	0.05957	0.04504	—	0.04504	—	212.240	212.240	0.00889	0.00179	212.994
Total	47.6258	0.60529	67.7115	0.00329	0.05957	—	0.05957	0.04504	—	0.04504	0.00000	212.240	212.240	0.00889	0.00179	212.994

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
Consumer Products	37.3077	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.76358	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	40.0713	0.00000	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
Consumer Products	6.80865	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.50435	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.94431	0.07566	8.46393	0.00041	0.00745	—	0.00745	0.00563	—	0.00563	—	24.0676	24.0676	0.00101	0.00020	24.1532
Total	8.25732	0.07566	8.46393	0.00041	0.00745	—	0.00745	0.00563	—	0.00563	0.00000	24.0676	24.0676	0.00101	0.00020	24.1532

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

Single Family Housing	—	—	—	—	—	—	—	—	—	—	31.2800	161.957	193.237	3.21745	0.07742	296.745
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	26.2464	135.895	162.141	2.69970	0.06497	248.993
Hotel	—	—	—	—	—	—	—	—	—	—	17.0130	88.0876	105.101	1.74996	0.04211	161.399
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	74.5394	385.939	460.478	7.66711	0.18450	707.137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	31.2800	161.957	193.237	3.21745	0.07742	296.745
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	26.2464	135.895	162.141	2.69970	0.06497	248.993
Hotel	—	—	—	—	—	—	—	—	—	—	17.0130	88.0876	105.101	1.74996	0.04211	161.399
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	74.5394	385.939	460.478	7.66711	0.18450	707.137
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	5.17876	26.8138	31.9925	0.53269	0.01282	49.1296
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	4.34539	22.4989	26.8443	0.44697	0.01076	41.2237
Hotel	—	—	—	—	—	—	—	—	—	—	2.81670	14.5839	17.4006	0.28973	0.00697	26.7214
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	12.3409	63.8966	76.2375	1.26938	0.03055	117.075

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	27.2511	141.097	168.348	2.80304	0.06745	258.525
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Hotel	—	—	—	—	—	—	—	—	—	—	15.0038	77.6844	92.6882	1.54329	0.03714	142.337
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	27.2511	141.097	168.348	2.80304	0.06745	258.525
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Hotel	—	—	—	—	—	—	—	—	—	—	15.0038	77.6844	92.6882	1.54329	0.03714	142.337
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	4.51173	23.3602	27.8719	0.46408	0.01117	42.8017
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Hotel	—	—	—	—	—	—	—	—	—	—	2.48405	12.8615	15.3456	0.25551	0.00615	23.5656

City Park	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	185.291	0.00000	185.291	18.5191	0.00000	648.270
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	145.503	0.00000	145.503	14.5425	0.00000	509.065
Hotel	—	—	—	—	—	—	—	—	—	—	103.274	0.00000	103.274	10.3219	0.00000	361.321
City Park	—	—	—	—	—	—	—	—	—	—	1.05675	0.00000	1.05675	0.10562	0.00000	3.69721
Total	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	185.291	0.00000	185.291	18.5191	0.00000	648.270
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	145.503	0.00000	145.503	14.5425	0.00000	509.065
Hotel	—	—	—	—	—	—	—	—	—	—	103.274	0.00000	103.274	10.3219	0.00000	361.321
City Park	—	—	—	—	—	—	—	—	—	—	1.05675	0.00000	1.05675	0.10562	0.00000	3.69721
Total	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	30.6770	0.00000	30.6770	3.06606	0.00000	107.328
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	24.0897	0.00000	24.0897	2.40768	0.00000	84.2815
Hotel	—	—	—	—	—	—	—	—	—	—	17.0982	0.00000	17.0982	1.70891	0.00000	59.8208
City Park	—	—	—	—	—	—	—	—	—	—	0.17496	0.00000	0.17496	0.01749	0.00000	0.61212
Total	—	—	—	—	—	—	—	—	—	—	72.0398	0.00000	72.0398	7.20012	0.00000	252.043

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	185.291	0.00000	185.291	18.5191	0.00000	648.270
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	145.503	0.00000	145.503	14.5425	0.00000	509.065
Hotel	—	—	—	—	—	—	—	—	—	—	103.274	0.00000	103.274	10.3219	0.00000	361.321
City Park	—	—	—	—	—	—	—	—	—	—	1.05675	0.00000	1.05675	0.10562	0.00000	3.69721
Total	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	185.291	0.00000	185.291	18.5191	0.00000	648.270
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	145.503	0.00000	145.503	14.5425	0.00000	509.065

Hotel	—	—	—	—	—	—	—	—	—	—	103.274	0.00000	103.274	10.3219	0.00000	361.321
City Park	—	—	—	—	—	—	—	—	—	—	1.05675	0.00000	1.05675	0.10562	0.00000	3.69721
Total	—	—	—	—	—	—	—	—	—	—	435.125	0.00000	435.125	43.4891	0.00000	1,522.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	30.6770	0.00000	30.6770	3.06606	0.00000	107.328
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	24.0897	0.00000	24.0897	2.40768	0.00000	84.2815
Hotel	—	—	—	—	—	—	—	—	—	—	17.0982	0.00000	17.0982	1.70891	0.00000	59.8208
City Park	—	—	—	—	—	—	—	—	—	—	0.17496	0.00000	0.17496	0.01749	0.00000	0.61212
Total	—	—	—	—	—	—	—	—	—	—	72.0398	0.00000	72.0398	7.20012	0.00000	252.043

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.07517
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77098
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	794.446
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.07517
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77098
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	794.446
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00581
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45877
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131.530
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	132.994

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.07517

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77098
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	794.446
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.07517
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77098
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	794.446
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	803.292
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00581
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45877
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131.530
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	132.994

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

4.7.2. Mitigated

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

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

4.8.2. Mitigated

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

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

4.9.2. Mitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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
Demolition	Demolition	6/4/2029	6/6/2031	5.00000	525.000	—
Site Preparation	Site Preparation	12/1/2031	6/4/2032	5.00000	135.000	—
Grading	Grading	6/7/2032	12/10/2032	5.00000	135.000	—
Building Construction	Building Construction	12/13/2032	12/9/2033	5.00000	260.000	—
Paving	Paving	9/5/2033	1/20/2034	5.00000	100.0000	—
Architectural Coating	Architectural Coating	6/27/2033	1/20/2034	5.00000	150.000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Excavators	Diesel	Tier 4 Interim	3.00000	8.00000	300.000	0.73000
Demolition	Excavators	Diesel	Tier 4 Interim	2.00000	8.00000	108.000	0.38000
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00000	8.00000	321.000	0.40000
Demolition	Skid Steer Loaders	Diesel	Tier 4 Interim	3.00000	8.00000	94.0000	0.37000

Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.000000	8.00000	215.000	0.40000
Demolition	Off-Highway Trucks	Diesel	Tier 4 Interim	2.00000	8.00000	350.000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Tier 2	1.000000	8.00000	148.000	0.41000
Grading	Excavators	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00000	8.00000	84.0000	0.37000
Grading	Scrapers	Diesel	Tier 2	2.00000	8.00000	423.000	0.48000
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.000000	8.00000	367.000	0.40000
Building Construction	Forklifts	Diesel	Tier 2	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Cranes	Diesel	Tier 2	1.000000	7.00000	367.000	0.29000
Building Construction	Welders	Diesel	Tier 2	1.000000	8.00000	46.0000	0.45000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00000	7.00000	84.0000	0.37000
Paving	Pavers	Diesel	Tier 2	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 2	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 2	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Excavators	Diesel	Tier 4 Interim	3.00000	8.00000	300.000	0.73000
Demolition	Excavators	Diesel	Tier 4 Interim	2.00000	8.00000	108.000	0.38000
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00000	8.00000	321.000	0.40000
Demolition	Skid Steer Loaders	Diesel	Tier 4 Interim	3.00000	8.00000	94.0000	0.37000

Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.000000	8.00000	215.000	0.40000
Demolition	Off-Highway Trucks	Diesel	Tier 4 Interim	2.00000	8.00000	350.000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Tier 2	1.000000	8.00000	148.000	0.41000
Grading	Excavators	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00000	8.00000	84.0000	0.37000
Grading	Scrapers	Diesel	Tier 2	2.00000	8.00000	423.000	0.48000
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.000000	8.00000	367.000	0.40000
Building Construction	Forklifts	Diesel	Tier 2	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Cranes	Diesel	Tier 2	1.000000	7.00000	367.000	0.29000
Building Construction	Welders	Diesel	Tier 2	1.000000	8.00000	46.0000	0.45000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00000	7.00000	84.0000	0.37000
Paving	Pavers	Diesel	Tier 2	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 2	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 2	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	32.5000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	12.0000	20.0000	HHDT

Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	166.667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	632.844	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	168.814	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	126.569	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	32.5000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	12.0000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT

Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	166.667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	632.844	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	168.814	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	126.569	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

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	2,501,179	833,726	762,300	254,100	—

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	102,046	0.00000
Site Preparation	0.00000	0.00000	243.000	0.00000	0.00000
Grading	180,000	0.00000	465.000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	4.79339

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	4.79339	0%
Paving	Apartments Low Rise	—	0%
Paving	Hotel	0.00000	0%
Paving	City Park	0.00000	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00000	531.983	0.03300	0.00400
2030	0.00000	531.983	0.03300	0.00400
2031	0.00000	531.983	0.03300	0.00400
2032	0.00000	531.983	0.03300	0.00400
2033	0.00000	531.983	0.03300	0.00400
2034	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
Single Family Housing	3,327.75	3,327.75	3,327.75	1,214,629	42,663.1	42,663.1	42,663.1	15,572,047
Apartments Low Rise	2,266.65	2,266.65	2,266.65	827,327	29,059.4	29,059.4	29,059.4	10,606,680
Hotel	2,044.00	2,044.00	2,044.00	746,060	38,237.7	38,237.7	38,237.7	13,956,779
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	3,232.58	3,232.58	3,232.58	1,179,890	41,443.0	41,443.0	41,443.0	15,126,686
Apartments Low Rise	2,201.82	2,201.82	2,201.82	803,666	28,228.3	28,228.3	28,228.3	10,303,329
Hotel	1,856.97	1,856.97	1,856.97	677,796	34,739.0	34,739.0	34,739.0	12,679,735
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	0	0
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	44	44
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	0	0
Single Family Housing	Non-Catalytic Wood Stoves	0	0
Single Family Housing	Pellet Wood Stoves	0	0
Apartments Low Rise	Wood Fireplaces	0	0
Apartments Low Rise	Gas Fireplaces	0	0
Apartments Low Rise	Propane Fireplaces	0	0
Apartments Low Rise	Electric Fireplaces	0	0
Apartments Low Rise	No Fireplaces	37	37
Apartments Low Rise	Conventional Wood Stoves	0	0
Apartments Low Rise	Catalytic Wood Stoves	0	0
Apartments Low Rise	Non-Catalytic Wood Stoves	0	0
Apartments Low Rise	Pellet Wood Stoves	0	0
Hotel	Wood Fireplaces	0	0
Hotel	Gas Fireplaces	0	0
Hotel	Propane Fireplaces	0	0
Hotel	Electric Fireplaces	0	0
Hotel	No Fireplaces	0	0
Hotel	Conventional Wood Stoves	0	0

Hotel	Catalytic Wood Stoves	0	0
Hotel	Non-Catalytic Wood Stoves	0	0
Hotel	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)
2,501,179	833,726	762,300	254,100	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Single Family Housing	2,999,388	531.983	0.0330	0.0040	16,675,876
Apartments Low Rise	1,399,792	531.983	0.0330	0.0040	5,951,572
Hotel	7,111,600	531.983	0.0330	0.0040	14,672,598
City Park	0.00000	531.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	2,970,563	531.983	0.0330	0.0040	14,091,235
Apartments Low Rise	1,381,360	531.983	0.0330	0.0040	5,047,593
Hotel	6,291,007	531.983	0.0330	0.0040	13,907,466
City Park	0.00000	531.983	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)
Single Family Housing	16,323,658	0.00000
Apartments Low Rise	13,696,862	0.00000
Hotel	8,878,370	0.00000
City Park	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	14,221,171	0.00000
Apartments Low Rise	NaN	0.00000
Hotel	7,829,834	0.00000
City Park	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	343.807	0.00000
Apartments Low Rise	269.980	0.00000
Hotel	191.625	0.00000
City Park	1.96080	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	343.807	0.00000
Apartments Low Rise	269.980	0.00000
Hotel	191.625	0.00000
City Park	1.96080	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

Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Hotel	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Hotel	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Hotel	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
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

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000

Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Hotel	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Hotel	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Hotel	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
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

5.15.2. Mitigated

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

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

8. User Changes to Default Data

8.1. Justifications

Screen	Justification

Land Use	Project would develop 16 acres of commercial uses, including 350 hotel rooms; 53.2 acres of residential units; and a total of 22.8 acres of open space. Land uses consistent with traffic analysis
Construction: Construction Phases	The earliest demo would begin is mid-2029 and would take two years. After the demo is completed in 2031, rough grading/backbone infrastructure would start late 2031 or early 2032, followed by home construction starting in late 2032. It will likely be late 2033 or early 2034 when the first residential occupancies occur.
Construction: Off-Road Equipment	Default construction equipment with Tier 2 engines for all phases expect demolition. Demolition equipment list, tier, number, and horsepower provided by applicant.
Construction: Dust From Material Movement	Project would require the net import of 180,000 cubic yards
Construction: Trips and VMT	Based on information from the applicant, it would take 6,316 truck loads to move material during the whole demolition phase. Assuming one trip equals one truck load and that there are 260 working days in a year, daily trips were calculated to be ~12 6,316 truck loads / (260 x2) = 12.1
Construction: Architectural Coatings	project would comply with SCAQMD Rule 1113
Operations: Vehicle Data	Project would generate 7,638 ADT Single family = 3,327 ADT/ 7.65 multifamily = 2,267 ADT / 365 units = 6.21 hotel = 2,044 ADT/ 350 = 5.84
Operations: Hearths	Assume no wood burning hearths
Operations: Architectural Coatings	project would comply with SCAQMD Rule 1113

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	141.234	30.4000
Landscape Area	sq. ft	5,095,093	0.00000
Lot Area	acre	11.6667	16.0000
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	10/23/2029	12/1/2031
Site Preparation	Site Preparation	End Date	1/15/2030	6/4/2032
Site Preparation	Site Preparation	Work Days per Phase	60.0000	135.000
Grading	Grading	Start Date	1/16/2030	6/7/2032
Grading	Grading	End Date	8/21/2030	12/10/2032
Grading	Grading	Work Days per Phase	155.000	135.000
Building Construction	Building Construction	Start Date	8/22/2030	12/13/2032
Building Construction	Building Construction	End Date	7/31/2036	12/9/2033
Building Construction	Building Construction	Work Days per Phase	1,550.00	260.000
Paving	Paving	Start Date	8/1/2036	9/5/2033
Paving	Paving	End Date	1/2/2037	1/20/2034
Paving	Paving	Work Days per Phase	110.000	100.0000
Architectural Coating	Architectural Coating	Start Date	1/3/2037	6/27/2033
Architectural Coating	Architectural Coating	End Date	6/6/2037	1/20/2034
Architectural Coating	Architectural Coating	Work Days per Phase	110.000	150.000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Demolition	Excavators	Engine Tier	Average	Tier 4 Interim
Demolition	Excavators	Number per Day	1.000000	3.00000
Demolition	Excavators	Horsepower	33.0000	300.000
Demolition	Excavators	Engine Tier	Average	Tier 4 Interim
Demolition	Excavators	Number per Day	3.00000	2.00000
Demolition	Excavators	Horsepower	36.0000	108.000
Demolition	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 4 Interim

Demolition	Tractors/Loaders/Backhoes	Horsepower	367.000	321.000
Site Preparation	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Site Preparation	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Grading	Graders	Engine Tier	Average	Tier 2
Grading	Excavators	Engine Tier	Average	Tier 2
Grading	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Grading	Scrapers	Engine Tier	Average	Tier 2
Grading	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Building Construction	Forklifts	Engine Tier	Average	Tier 2
Building Construction	Cranes	Engine Tier	Average	Tier 2
Building Construction	Welders	Engine Tier	Average	Tier 2
Building Construction	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Paving	Pavers	Engine Tier	Average	Tier 2
Paving	Paving Equipment	Engine Tier	Average	Tier 2
Paving	Rollers	Engine Tier	Average	Tier 2
Architectural Coating	Air Compressors	Engine Tier	Average	Tier 2

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Site Preparation	Material Imported	Cubic Yards	—	0.00000
Site Preparation	Material Exported	Cubic Yards	—	0.00000
Site Preparation	Total Acres Graded	acres	202.500	243.000
Grading	Material Imported	Cubic Yards	—	180,000
Grading	Material Exported	Cubic Yards	—	0.00000
Grading	Total Acres Graded	acres	405.000	465.000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value

Demolition	Hauling	One-Way Trips per Day	48.5943	12.0000

8.4.8. Architectural Coatings

Phase Name	Model Parameter	Units	Default Value	New Value
Architectural Coating	Non-Residential Interior VOC	g/L	100.0000	50.0000
Architectural Coating	Non-Residential Exterior VOC	g/L	100.0000	50.0000
Architectural Coating	VOC for Parking Paint	g/L	100.0000	50.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Weekday Trip Rate	size/day	9.44000	7.65000
Single Family Housing	Saturday Trip Rate	size/day	9.54000	7.65000
Single Family Housing	Sunday Trip Rate	size/day	8.55000	7.65000
Apartments Low Rise	Weekday Trip Rate	size/day	7.32000	6.21000
Apartments Low Rise	Saturday Trip Rate	size/day	8.14000	6.21000
Apartments Low Rise	Sunday Trip Rate	size/day	6.28000	6.21000
Hotel	Weekday Trip Rate	size/day	8.36000	5.84000
Hotel	Saturday Trip Rate	size/day	8.19000	5.84000
Hotel	Sunday Trip Rate	size/day	5.95000	5.84000
City Park	Weekday Trip Rate	size/day	0.78000	0.00000
City Park	Saturday Trip Rate	size/day	1.96000	0.00000
City Park	Sunday Trip Rate	size/day	2.19000	0.00000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Wood Fireplaces	—	22	0
Single Family Housing	Gas Fireplaces	—	370	0
Single Family Housing	Wood Mass	lb/year	1,019	0
Single Family Housing	Catalytic Wood Stoves	—	22	0
Single Family Housing	Non-Catalytic Wood Stoves	—	22	0
Single Family Housing	Wood Mass	lb/year	1,000	0
Apartments Low Rise	Wood Fireplaces	—	18	0
Apartments Low Rise	Gas Fireplaces	—	310	0
Apartments Low Rise	Wood Mass	lb/year	1,019	0
Apartments Low Rise	Catalytic Wood Stoves	—	18	0
Apartments Low Rise	Non-Catalytic Wood Stoves	—	18	0
Apartments Low Rise	Wood Mass	lb/year	1,000	0

8.5.2.3. Architectural Coatings

Model Parameter	Units	Default Value	New Value
Non-Residential Interior VOC	g/L	100.0000	50.0000
Non-Residential Exterior VOC	g/L	100.0000	50.0000
VOC for Parking Paint	g/L	100.0000	50.0000