

Appendix A

Air Quality, Greenhouse Gas, and Energy Modeling Data

Site A - UCI East Campus Housing 2026 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Site A - UCI East Campus Housing 2026
Construction Start Date	11/2/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	17.2000
Location	33.648535616674366, -117.83057371087676
County	Orange
City	Irvine
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5907
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.38

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
Apartments Mid Rise	529.000	Dwelling Unit	1.75000	137,000	50,559.0	—	1,576.00	—

Parking Lot	6.10000	1000sqft	0.14004	0.00000	0.00000	—	—	—
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-3	Provide Transit-Oriented Development
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.9037	19.8450	11.1313	29.6035	0.03214	0.27403	5.46230	5.73633	0.25313	1.30062	1.55375	—	8,417.96	8,417.96	0.21195	0.43277	19.6253	8,571.85
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.57141	2.08522	13.8136	26.9868	0.03214	0.54420	5.46230	5.73633	0.50108	1.39655	1.89763	—	8,183.46	8,183.46	0.21912	0.43277	0.50991	8,318.41
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.28029	3.11113	7.45595	15.8078	0.01955	0.21190	2.89377	3.10567	0.19550	0.74258	0.93808	—	4,443.24	4,443.24	0.12590	0.22067	4.15858	4,516.30
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.59865	0.56778	1.36071	2.88493	0.00357	0.03867	0.52811	0.56679	0.03568	0.13552	0.17120	—	735.628	735.628	0.02084	0.03653	0.68850	747.725

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.57265	2.09486	11.1313	29.6035	0.03214	0.27403	5.46230	5.73633	0.25313	1.30062	1.55375	—	8,417.96	8,417.96	0.21195	0.43277	19.6253	8,571.85
2028	19.9037	19.8450	10.5330	28.4780	0.03214	0.24358	5.46230	5.70588	0.22512	1.30062	1.52573	—	8,291.02	8,291.02	0.20947	0.27743	17.5632	8,396.50
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.76727	1.44305	13.8136	15.5417	0.02845	0.51693	1.18422	1.70115	0.47627	0.21572	0.69199	—	3,319.41	3,319.41	0.15405	0.13226	0.04981	3,362.73
2027	2.57141	2.08522	13.2765	26.9868	0.03214	0.54420	5.46230	5.73633	0.50108	1.39655	1.89763	—	8,183.46	8,183.46	0.21910	0.43277	0.50991	8,318.41
2028	2.46377	2.00867	10.7785	25.9902	0.03214	0.24358	5.46230	5.70588	0.22512	1.30062	1.52573	—	8,061.01	8,061.01	0.21912	0.43277	0.45494	8,195.91
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.21102	0.17226	1.65011	1.85775	0.00340	0.06171	0.14097	0.20268	0.05685	0.02565	0.08251	—	396.488	396.488	0.01842	0.01579	0.09903	401.752
2027	1.49617	1.22125	7.45595	15.8078	0.01955	0.21190	2.89377	3.10567	0.19550	0.74258	0.93808	—	4,443.24	4,443.24	0.12590	0.22067	4.15858	4,516.30
2028	3.28029	3.11113	3.96416	10.0194	0.01166	0.08861	2.04299	2.13160	0.08188	0.48574	0.56762	—	3,020.53	3,020.53	0.08011	0.15862	2.84880	3,072.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03851	0.03144	0.30114	0.33904	0.00062	0.01126	0.02573	0.03699	0.01038	0.00468	0.01506	—	65.6431	65.6431	0.00305	0.00261	0.01639	66.5146
2027	0.27305	0.22288	1.36071	2.88493	0.00357	0.03867	0.52811	0.56679	0.03568	0.13552	0.17120	—	735.628	735.628	0.02084	0.03653	0.68850	747.725
2028	0.59865	0.56778	0.72346	1.82855	0.00213	0.01617	0.37285	0.38902	0.01494	0.08865	0.10359	—	500.084	500.084	0.01326	0.02626	0.47165	508.713

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

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

2027	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	0.00000	0.26132	0.24041	0.00000	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	0.00000	1,807.09
2028	19.6568	19.6343	7.88994	9.87597	0.01943	0.23087	0.00000	0.23087	0.21240	0.00000	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	0.00000	1,807.49
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	0.84379	1.35210	0.46764	0.12777	0.59542	—	2,493.95	2,493.95	0.10117	0.02023	0.00000	2,502.51
2027	1.63491	1.37378	12.4325	14.4354	0.02393	0.53897	2.76318	3.30215	0.49585	1.33579	1.83165	—	2,493.82	2,493.82	0.10116	0.02023	0.00000	2,502.37
2028	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	0.00000	0.23087	0.21240	0.00000	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	0.00000	1,807.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	0.10073	0.16141	0.05582	0.01525	0.07108	—	297.712	297.712	0.01208	0.00242	0.00000	298.734
2027	0.81222	0.67787	5.87753	7.14190	0.01308	0.20511	0.25353	0.45864	0.18870	0.11379	0.30249	—	1,265.60	1,265.60	0.05134	0.01027	0.00000	1,269.94
2028	2.76685	2.69743	2.90753	3.65228	0.00713	0.08408	0.00000	0.08408	0.07735	0.00000	0.07735	—	657.659	657.659	0.02668	0.00534	0.00000	659.915
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	0.01838	0.02946	0.01019	0.00278	0.01297	—	49.2896	49.2896	0.00200	0.00040	0.00000	49.4588
2027	0.14823	0.12371	1.07265	1.30340	0.00239	0.03743	0.04627	0.08370	0.03444	0.02077	0.05520	—	209.534	209.534	0.00850	0.00170	0.00000	210.253
2028	0.50495	0.49228	0.53062	0.66654	0.00130	0.01534	0.00000	0.01534	0.01412	0.00000	0.01412	—	108.883	108.883	0.00442	0.00088	0.00000	109.257

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.40558	1.12381	2.87792	19.6964	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,617.05	6,617.05	0.13890	0.41816	19.6253	6,764.76
2028	1.35928	1.08898	2.64311	18.6020	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,489.71	6,489.71	0.13641	0.26282	17.5632	6,589.00
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.10790	0.05165	0.87221	0.92536	0.00453	0.00863	0.34043	0.34905	0.00863	0.08795	0.09658	—	825.466	825.466	0.05288	0.11203	0.04981	860.222
2027	1.40433	1.11417	2.97641	17.0797	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,382.55	6,382.55	0.14605	0.41816	0.50991	6,511.32

2028	1.34838	1.08058	2.88856	16.1142	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,259.69	6,259.69	0.14605	0.41816	0.45494	6,388.41
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01293	0.00616	0.10525	0.11294	0.00054	0.00103	0.04024	0.04127	0.00103	0.01040	0.01143	—	98.7757	98.7757	0.00634	0.01337	0.09903	103.018
2027	0.68394	0.54338	1.57842	8.66594	0.00646	0.00680	2.64024	2.64703	0.00680	0.62879	0.63559	—	3,177.64	3,177.64	0.07456	0.21040	4.15858	3,246.36
2028	0.51344	0.41371	1.05662	6.36715	0.00453	0.00453	2.04299	2.04752	0.00453	0.48574	0.49027	—	2,362.87	2,362.87	0.05343	0.15329	2.84880	2,412.74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00236	0.00112	0.01921	0.02061	0.00010	0.00019	0.00734	0.00753	0.00019	0.00190	0.00209	—	16.3534	16.3534	0.00105	0.00221	0.01639	17.0559
2027	0.12482	0.09917	0.28806	1.58153	0.00118	0.00124	0.48184	0.48308	0.00124	0.11475	0.11600	—	526.094	526.094	0.01234	0.03483	0.68850	537.472
2028	0.09370	0.07550	0.19283	1.16200	0.00083	0.00083	0.37285	0.37367	0.00083	0.08865	0.08947	—	391.201	391.201	0.00885	0.02538	0.47165	399.456

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.57265	2.09486	11.1313	29.6035	0.03214	0.27403	5.46230	5.73633	0.25313	1.30062	1.55375	—	8,417.96	8,417.96	0.21195	0.43277	19.6253	8,571.85
2028	19.9037	19.8450	10.5330	28.4780	0.03214	0.24358	5.46230	5.70588	0.22512	1.30062	1.52573	—	8,291.02	8,291.02	0.20947	0.27743	17.5632	8,396.50
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.76727	1.44305	13.8136	15.5417	0.02845	0.51693	1.18422	1.70115	0.47627	0.21572	0.69199	—	3,319.41	3,319.41	0.15405	0.13226	0.04981	3,362.73
2027	2.57141	2.08522	13.2765	26.9868	0.03214	0.54420	5.46230	5.73633	0.50108	1.39655	1.89763	—	8,183.46	8,183.46	0.21910	0.43277	0.50991	8,318.41
2028	2.46377	2.00867	10.7785	25.9902	0.03214	0.24358	5.46230	5.70588	0.22512	1.30062	1.52573	—	8,061.01	8,061.01	0.21912	0.43277	0.45494	8,195.91
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.21102	0.17226	1.65011	1.85775	0.00340	0.06171	0.14097	0.20268	0.05685	0.02565	0.08251	—	396.488	396.488	0.01842	0.01579	0.09903	401.752
2027	1.49617	1.22125	7.45595	15.8078	0.01955	0.21190	2.89377	3.10567	0.19550	0.74258	0.93808	—	4,443.24	4,443.24	0.12590	0.22067	4.15858	4,516.30
2028	3.28029	3.11113	3.96416	10.0194	0.01166	0.08861	2.04299	2.13160	0.08188	0.48574	0.56762	—	3,020.53	3,020.53	0.08011	0.15862	2.84880	3,072.65

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03851	0.03144	0.30114	0.33904	0.00062	0.01126	0.02573	0.03699	0.01038	0.00468	0.01506	—	65.6431	65.6431	0.00305	0.00261	0.01639	66.5146
2027	0.27305	0.22288	1.36071	2.88493	0.00357	0.03867	0.52811	0.56679	0.03568	0.13552	0.17120	—	735.628	735.628	0.02084	0.03653	0.68850	747.725
2028	0.59865	0.56778	0.72346	1.82855	0.00213	0.01617	0.37285	0.38902	0.01494	0.08865	0.10359	—	500.084	500.084	0.01326	0.02626	0.47165	508.713

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	0.00000	0.26132	0.24041	0.00000	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	0.00000	1,807.09
2028	19.6568	19.6343	7.88994	9.87597	0.01943	0.23087	0.00000	0.23087	0.21240	0.00000	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	0.00000	1,807.49
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	0.84379	1.35210	0.46764	0.12777	0.59542	—	2,493.95	2,493.95	0.10117	0.02023	0.00000	2,502.51
2027	1.63491	1.37378	12.4325	14.4354	0.02393	0.53897	2.76318	3.30215	0.49585	1.33579	1.83165	—	2,493.82	2,493.82	0.10116	0.02023	0.00000	2,502.37
2028	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	0.00000	0.23087	0.21240	0.00000	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	0.00000	1,807.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	0.10073	0.16141	0.05582	0.01525	0.07108	—	297.712	297.712	0.01208	0.00242	0.00000	298.734
2027	0.81222	0.67787	5.87753	7.14190	0.01308	0.20511	0.25353	0.45864	0.18870	0.11379	0.30249	—	1,265.60	1,265.60	0.05134	0.01027	0.00000	1,269.94
2028	2.76685	2.69743	2.90753	3.65228	0.00713	0.08408	0.00000	0.08408	0.07735	0.00000	0.07735	—	657.659	657.659	0.02668	0.00534	0.00000	659.915
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	0.01838	0.02946	0.01019	0.00278	0.01297	—	49.2896	49.2896	0.00200	0.00040	0.00000	49.4588
2027	0.14823	0.12371	1.07265	1.30340	0.00239	0.03743	0.04627	0.08370	0.03444	0.02077	0.05520	—	209.534	209.534	0.00850	0.00170	0.00000	210.253
2028	0.50495	0.49228	0.53062	0.66654	0.00130	0.01534	0.00000	0.01534	0.01412	0.00000	0.01412	—	108.883	108.883	0.00442	0.00088	0.00000	109.257

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.40558	1.12381	2.87792	19.6964	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,617.05	6,617.05	0.13890	0.41816	19.6253	6,764.76
2028	1.35928	1.08898	2.64311	18.6020	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,489.71	6,489.71	0.13641	0.26282	17.5632	6,589.00
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.10790	0.05165	0.87221	0.92536	0.00453	0.00863	0.34043	0.34905	0.00863	0.08795	0.09658	—	825.466	825.466	0.05288	0.11203	0.04981	860.222
2027	1.40433	1.11417	2.97641	17.0797	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,382.55	6,382.55	0.14605	0.41816	0.50991	6,511.32
2028	1.34838	1.08058	2.88856	16.1142	0.01272	0.01272	5.46230	5.47501	0.01272	1.30062	1.31334	—	6,259.69	6,259.69	0.14605	0.41816	0.45494	6,388.41
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01293	0.00616	0.10525	0.11294	0.00054	0.00103	0.04024	0.04127	0.00103	0.01040	0.01143	—	98.7757	98.7757	0.00634	0.01337	0.09903	103.018
2027	0.68394	0.54338	1.57842	8.66594	0.00646	0.00680	2.64024	2.64703	0.00680	0.62879	0.63559	—	3,177.64	3,177.64	0.07456	0.21040	4.15858	3,246.36
2028	0.51344	0.41371	1.05662	6.36715	0.00453	0.00453	2.04299	2.04752	0.00453	0.48574	0.49027	—	2,362.87	2,362.87	0.05343	0.15329	2.84880	2,412.74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00236	0.00112	0.01921	0.02061	0.00010	0.00019	0.00734	0.00753	0.00019	0.00190	0.00209	—	16.3534	16.3534	0.00105	0.00221	0.01639	17.0559
2027	0.12482	0.09917	0.28806	1.58153	0.00118	0.00124	0.48184	0.48308	0.00124	0.11475	0.11600	—	526.094	526.094	0.01234	0.03483	0.68850	537.472
2028	0.09370	0.07550	0.19283	1.16200	0.00083	0.00083	0.37285	0.37367	0.00083	0.08865	0.08947	—	391.201	391.201	0.00885	0.02538	0.47165	399.456

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.13201	6.88384	1.02472	38.8786	0.02478	0.02743	2.30549	2.33292	0.02305	0.58518	0.60823	248.805	4,528.07	4,776.87	25.2694	0.20862	6.74329	5,477.52
Mit.	6.86760	6.64177	0.86182	36.9397	0.01962	0.02449	1.79833	1.82282	0.02031	0.45645	0.47677	248.805	3,970.07	4,218.87	25.2434	0.18812	5.25992	4,911.28

% Reduced	4%	4%	16%	5%	21%	11%	22%	22%	12%	22%	22%	—	12%	12%	< 0.5%	10%	22%	10%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.36233	4.25936	0.80422	8.23066	0.02258	0.01338	2.30549	2.31887	0.01247	0.58518	0.59765	248.805	4,356.28	4,605.09	25.2705	0.21212	0.17484	5,300.24
Mit.	4.09953	4.01922	0.62731	6.42010	0.01761	0.01044	1.79833	1.80877	0.00973	0.45645	0.46618	248.805	3,818.42	4,067.23	25.2435	0.19070	0.13638	4,755.28
% Reduced	6%	6%	22%	22%	22%	22%	22%	22%	22%	22%	22%	—	12%	12%	< 0.5%	10%	22%	10%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.24604	6.04284	1.00619	29.0109	0.02371	0.02301	2.28006	2.30306	0.01972	0.57882	0.59854	248.805	4,435.94	4,684.74	25.2720	0.21283	2.91170	5,382.88
Mit.	5.98507	5.80448	0.82767	27.1590	0.01869	0.02006	1.77850	1.79856	0.01698	0.45150	0.46847	248.805	3,892.64	4,141.45	25.2452	0.19135	2.27119	4,831.87
% Reduced	4%	4%	18%	6%	21%	13%	22%	22%	14%	22%	22%	—	12%	12%	< 0.5%	10%	22%	10%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13990	1.10282	0.18363	5.29450	0.00433	0.00420	0.41611	0.42031	0.00360	0.10564	0.10923	41.1924	734.420	775.612	4.18407	0.03524	0.48206	891.196
Mit.	1.09228	1.05932	0.15105	4.95652	0.00341	0.00366	0.32458	0.32824	0.00310	0.08240	0.08550	41.1924	644.472	685.664	4.17963	0.03168	0.37602	799.972
% Reduced	4%	4%	18%	6%	21%	13%	22%	22%	14%	22%	22%	—	12%	12%	< 0.5%	10%	22%	10%

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.20200	1.10044	0.74052	8.81389	0.02348	0.01338	2.30549	2.31886	0.01246	0.58518	0.59765	—	2,398.22	2,398.22	0.10499	0.09160	6.74329	2,434.88
Area	5.93001	5.78339	0.28420	30.0647	0.00130	0.01405	—	0.01405	0.01059	—	0.01059	—	80.2426	80.2426	0.00335	0.00067	—	80.5248
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,917.41	1,917.41	0.18277	0.02215	—	1,928.58

Water	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Waste	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Total	7.13201	6.88384	1.02472	38.8786	0.02478	0.02743	2.30549	2.33292	0.02305	0.58518	0.60823	248.805	4,528.07	4,776.87	25.2694	0.20862	6.74329	5,477.52
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.19465	1.09169	0.80422	8.23066	0.02258	0.01338	2.30549	2.31887	0.01247	0.58518	0.59765	—	2,306.68	2,306.68	0.10937	0.09576	0.17484	2,338.12
Area	3.16767	3.16767	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,917.41	1,917.41	0.18277	0.02215	—	1,928.58
Water	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Waste	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Total	4.36233	4.25936	0.80422	8.23066	0.02258	0.01338	2.30549	2.31887	0.01247	0.58518	0.59765	248.805	4,356.28	4,605.09	25.2705	0.21212	0.17484	5,300.24
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.18636	1.08357	0.81153	8.41868	0.02282	0.01338	2.28006	2.29344	0.01247	0.57882	0.59129	—	2,331.37	2,331.37	0.10863	0.09601	2.91170	2,365.61
Area	5.05969	4.95926	0.19466	20.5923	0.00089	0.00963	—	0.00963	0.00725	—	0.00725	—	54.9607	54.9607	0.00230	0.00046	—	55.1540
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,917.41	1,917.41	0.18277	0.02215	—	1,928.58
Water	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Waste	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Total	6.24604	6.04284	1.00619	29.0109	0.02371	0.02301	2.28006	2.30306	0.01972	0.57882	0.59854	248.805	4,435.94	4,684.74	25.2720	0.21283	2.91170	5,382.88
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.21651	0.19775	0.14810	1.53641	0.00416	0.00244	0.41611	0.41855	0.00228	0.10564	0.10791	—	385.984	385.984	0.01799	0.01590	0.48206	391.653
Area	0.92339	0.90507	0.03553	3.75809	0.00016	0.00176	—	0.00176	0.00132	—	0.00132	—	9.09936	9.09936	0.00038	0.00008	—	9.13137
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	317.449	317.449	0.03026	0.00367	—	319.298
Water	—	—	—	—	—	—	—	—	—	—	—	6.29784	21.8876	28.1854	0.64786	0.01560	—	49.0295
Waste	—	—	—	—	—	—	—	—	—	—	—	34.8946	0.00000	34.8946	3.48759	0.00000	—	122.084
Total	1.13990	1.10282	0.18363	5.29450	0.00433	0.00420	0.41611	0.42031	0.00360	0.10564	0.10923	41.1924	734.420	775.612	4.18407	0.03524	0.48206	891.196

2.5. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.93759	0.85837	0.57762	6.87504	0.01832	0.01043	1.79833	1.80877	0.00972	0.45645	0.46618	—	1,870.66	1,870.66	0.08189	0.07145	5.25992	1,899.26
Area	5.93001	5.78339	0.28420	30.0647	0.00130	0.01405	—	0.01405	0.01059	—	0.01059	—	80.2426	80.2426	0.00335	0.00067	—	80.5248
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,886.96	1,886.96	0.17987	0.02180	—	1,897.96
Water	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Waste	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Total	6.86760	6.64177	0.86182	36.9397	0.01962	0.02449	1.79833	1.82282	0.02031	0.45645	0.47677	248.805	3,970.07	4,218.87	25.2434	0.18812	5.25992	4,911.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.93186	0.85154	0.62731	6.42010	0.01761	0.01044	1.79833	1.80877	0.00973	0.45645	0.46618	—	1,799.26	1,799.26	0.08531	0.07470	0.13638	1,823.79
Area	3.16767	3.16767	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,886.96	1,886.96	0.17987	0.02180	—	1,897.96
Water	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Waste	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Total	4.09953	4.01922	0.62731	6.42010	0.01761	0.01044	1.79833	1.80877	0.00973	0.45645	0.46618	248.805	3,818.42	4,067.23	25.2435	0.19070	0.13638	4,755.28
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.92539	0.84521	0.63301	6.56677	0.01780	0.01044	1.77850	1.78893	0.00972	0.45150	0.46122	—	1,818.52	1,818.52	0.08473	0.07489	2.27119	1,845.23
Area	5.05969	4.95926	0.19466	20.5923	0.00089	0.00963	—	0.00963	0.00725	—	0.00725	—	54.9607	54.9607	0.00230	0.00046	—	55.1540
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,886.96	1,886.96	0.17987	0.02180	—	1,897.96
Water	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Waste	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Total	5.98507	5.80448	0.82767	27.1590	0.01869	0.02006	1.77850	1.79856	0.01698	0.45150	0.46847	248.805	3,892.64	4,141.45	25.2452	0.19135	2.27119	4,831.87
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.16888	0.15425	0.11552	1.19843	0.00325	0.00190	0.32458	0.32648	0.00177	0.08240	0.08417	—	301.077	301.077	0.01403	0.01240	0.37602	305.499

Area	0.92339	0.90507	0.03553	3.75809	0.00016	0.00176	—	0.00176	0.00132	—	0.00132	—	9.09936	9.09936	0.00038	0.00008	—	9.13137
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	312.408	312.408	0.02978	0.00361	—	314.228
Water	—	—	—	—	—	—	—	—	—	—	—	6.29784	21.8876	28.1854	0.64786	0.01560	—	49.0295
Waste	—	—	—	—	—	—	—	—	—	—	—	34.8946	0.00000	34.8946	3.48759	0.00000	—	122.084
Total	1.09228	1.05932	0.15105	4.95652	0.00341	0.00366	0.32458	0.32824	0.00310	0.08240	0.08550	41.1924	644.472	685.664	4.17963	0.03168	0.37602	799.972

3. Construction Emissions Details

3.1. Demolition (2026)

3.1.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.84379	0.84379	—	0.12777	0.12777	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	—	0.06068	0.05582	—	0.05582	—	297.712	297.712	0.01208	0.00242	—	298.734

Demoliti	—	—	—	—	—	—	0.10073	0.10073	—	0.01525	0.01525	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	—	0.01107	0.01019	—	0.01019	—	49.2896	49.2896	0.00200	0.00040	—	49.4588
Demolition	—	—	—	—	—	—	0.01838	0.01838	—	0.00278	0.00278	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04299	0.04216	0.04368	0.56824	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	154.908	154.908	0.00220	0.00592	0.01465	156.744
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06491	0.00949	0.82854	0.35712	0.00453	0.00863	0.17704	0.18567	0.00863	0.04965	0.05828	—	670.558	670.558	0.05068	0.10610	0.03516	703.478
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00513	0.00500	0.00521	0.07051	0.00000	0.00000	0.01929	0.01929	0.00000	0.00452	0.00452	—	18.7451	18.7451	0.00026	0.00071	0.02915	18.9916
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00780	0.00116	0.10004	0.04242	0.00054	0.00103	0.02095	0.02198	0.00103	0.00588	0.00691	—	80.0306	80.0306	0.00608	0.01267	0.06987	84.0267
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00094	0.00091	0.00095	0.01287	0.00000	0.00000	0.00352	0.00352	0.00000	0.00082	0.00082	—	3.10347	3.10347	0.00004	0.00012	0.00483	3.14428

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00142	0.00021	0.01826	0.00774	0.00010	0.00019	0.00382	0.00401	0.00019	0.00107	0.00126	—	13.2500	13.2500	0.00101	0.00210	0.01157	13.9116

3.1.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.84379	0.84379	—	0.12777	0.12777	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	—	0.06068	0.05582	—	0.05582	—	297.712	297.712	0.01208	0.00242	—	298.734
Demolition	—	—	—	—	—	—	0.10073	0.10073	—	0.01525	0.01525	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	—	0.01107	0.01019	—	0.01019	—	49.2896	49.2896	0.00200	0.00040	—	49.4588

Demoliti	—	—	—	—	—	—	0.01838	0.01838	—	0.00278	0.00278	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04299	0.04216	0.04368	0.56824	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	154.908	154.908	0.00220	0.00592	0.01465	156.744
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06491	0.00949	0.82854	0.35712	0.00453	0.00863	0.17704	0.18567	0.00863	0.04965	0.05828	—	670.558	670.558	0.05068	0.10610	0.03516	703.478
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00513	0.00500	0.00521	0.07051	0.00000	0.00000	0.01929	0.01929	0.00000	0.00452	0.00452	—	18.7451	18.7451	0.00026	0.00071	0.02915	18.9916
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00780	0.00116	0.10004	0.04242	0.00054	0.00103	0.02095	0.02198	0.00103	0.00588	0.00691	—	80.0306	80.0306	0.00608	0.01267	0.06987	84.0267
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00094	0.00091	0.00095	0.01287	0.00000	0.00000	0.00352	0.00352	0.00000	0.00082	0.00082	—	3.10347	3.10347	0.00004	0.00012	0.00483	3.14428
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00142	0.00021	0.01826	0.00774	0.00010	0.00019	0.00382	0.00401	0.00019	0.00107	0.00126	—	13.2500	13.2500	0.00101	0.00210	0.01157	13.9116

3.2. Demolition (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60361	1.34471	12.4325	14.4354	0.02393	0.47032	—	0.47032	0.43270	—	0.43270	—	2,493.82	2,493.82	0.10116	0.02023	—	2,502.37
Demolition	—	—	—	—	—	—	0.84379	0.84379	—	0.12777	0.12777	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05021	0.04210	0.38928	0.45199	0.00075	0.01473	—	0.01473	0.01355	—	0.01355	—	78.0843	78.0843	0.00317	0.00063	—	78.3522
Demolition	—	—	—	—	—	—	0.02642	0.02642	—	0.00400	0.00400	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00916	0.00768	0.07104	0.08249	0.00014	0.00269	—	0.00269	0.00247	—	0.00247	—	12.9277	12.9277	0.00052	0.00010	—	12.9721
Demolition	—	—	—	—	—	—	0.00482	0.00482	—	0.00073	0.00073	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04161	0.03541	0.03831	0.53159	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	152.304	152.304	0.00193	0.00592	0.01320	154.131
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06038	0.00927	0.80568	0.34849	0.00453	0.00863	0.17704	0.18567	0.00863	0.04965	0.05828	—	657.567	657.567	0.05068	0.10610	0.03244	690.485
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00129	0.00111	0.00135	0.01736	0.00000	0.00000	0.00506	0.00506	0.00000	0.00119	0.00119	—	4.83393	4.83393	0.00006	0.00019	0.00687	4.89760
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00191	0.00030	0.02538	0.01086	0.00014	0.00027	0.00550	0.00577	0.00027	0.00154	0.00181	—	20.5847	20.5847	0.00159	0.00332	0.01692	21.6313
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00024	0.00020	0.00025	0.00317	0.00000	0.00000	0.00092	0.00092	0.00000	0.00022	0.00022	—	0.80031	0.80031	0.00001	0.00003	0.00114	0.81085
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00035	0.00006	0.00463	0.00198	0.00003	0.00005	0.00100	0.00105	0.00005	0.00028	0.00033	—	3.40804	3.40804	0.00026	0.00055	0.00280	3.58131

3.2.3. Onsite - Mitigated

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

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

Off-Road Equipment	1.60361	1.34471	12.4325	14.4354	0.02393	0.47032	—	0.47032	0.43270	—	0.43270	—	2,493.82	2,493.82	0.10116	0.02023	—	2,502.37
Demolition	—	—	—	—	—	—	0.84379	0.84379	—	0.12777	0.12777	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05021	0.04210	0.38928	0.45199	0.00075	0.01473	—	0.01473	0.01355	—	0.01355	—	78.0843	78.0843	0.00317	0.00063	—	78.3522
Demolition	—	—	—	—	—	—	0.02642	0.02642	—	0.00400	0.00400	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00916	0.00768	0.07104	0.08249	0.00014	0.00269	—	0.00269	0.00247	—	0.00247	—	12.9277	12.9277	0.00052	0.00010	—	12.9721
Demolition	—	—	—	—	—	—	0.00482	0.00482	—	0.00073	0.00073	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

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

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

Worker	0.04161	0.03541	0.03831	0.53159	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	152.304	152.304	0.00193	0.00592	0.01320	154.131
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06038	0.00927	0.80568	0.34849	0.00453	0.00863	0.17704	0.18567	0.00863	0.04965	0.05828	—	657.567	657.567	0.05068	0.10610	0.03244	690.485
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00129	0.00111	0.00135	0.01736	0.00000	0.00000	0.00506	0.00506	0.00000	0.00119	0.00119	—	4.83393	4.83393	0.00006	0.00019	0.00687	4.89760
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00191	0.00030	0.02538	0.01086	0.00014	0.00027	0.00550	0.00577	0.00027	0.00154	0.00181	—	20.5847	20.5847	0.00159	0.00332	0.01692	21.6313
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00024	0.00020	0.00025	0.00317	0.00000	0.00000	0.00092	0.00092	0.00000	0.00022	0.00022	—	0.80031	0.80031	0.00001	0.00003	0.00114	0.81085
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00035	0.00006	0.00463	0.00198	0.00003	0.00005	0.00100	0.00105	0.00005	0.00028	0.00033	—	3.40804	3.40804	0.00026	0.00055	0.00280	3.58131

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	2.76318	2.76318	—	1.33579	1.33579	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13438	0.11291	1.00120	1.13981	0.00186	0.04430	—	0.04430	0.04075	—	0.04075	—	201.818	201.818	0.00819	0.00164	—	202.511
Dust From Material Movement	—	—	—	—	—	—	0.22711	0.22711	—	0.10979	0.10979	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02452	0.02061	0.18272	0.20802	0.00034	0.00808	—	0.00808	0.00744	—	0.00744	—	33.4133	33.4133	0.00136	0.00027	—	33.5280
Dust From Material Movement	—	—	—	—	—	—	0.04145	0.04145	—	0.02004	0.02004	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03329	0.02833	0.03064	0.42527	0.00000	0.00000	0.13071	0.13071	0.00000	0.03064	0.03064	—	121.843	121.843	0.00154	0.00474	0.01056	123.305

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03663	0.00562	0.48870	0.21139	0.00275	0.00523	0.10739	0.11262	0.00523	0.03012	0.03535	—	398.859	398.859	0.03074	0.06436	0.01968	418.826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00272	0.00233	0.00284	0.03645	0.00000	0.00000	0.01062	0.01062	0.00000	0.00249	0.00249	—	10.1513	10.1513	0.00013	0.00039	0.01443	10.2850
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00304	0.00048	0.04041	0.01729	0.00023	0.00043	0.00875	0.00918	0.00043	0.00246	0.00289	—	32.7758	32.7758	0.00253	0.00529	0.02694	34.4422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00050	0.00042	0.00052	0.00665	0.00000	0.00000	0.00194	0.00194	0.00000	0.00045	0.00045	—	1.68066	1.68066	0.00002	0.00006	0.00239	1.70279
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00056	0.00009	0.00738	0.00316	0.00004	0.00008	0.00160	0.00168	0.00008	0.00045	0.00053	—	5.42641	5.42641	0.00042	0.00088	0.00446	5.70231

3.3.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	2.76318	2.76318	—	1.33579	1.33579	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.13438	0.11291	1.00120	1.13981	0.00186	0.04430	—	0.04430	0.04075	—	0.04075	—	201.818	201.818	0.00819	0.00164	—	202.511
Dust From Material Movement	—	—	—	—	—	—	0.22711	0.22711	—	0.10979	0.10979	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02452	0.02061	0.18272	0.20802	0.00034	0.00808	—	0.00808	0.00744	—	0.00744	—	33.4133	33.4133	0.00136	0.00027	—	33.5280
Dust From Material Movement	—	—	—	—	—	—	0.04145	0.04145	—	0.02004	0.02004	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03329	0.02833	0.03064	0.42527	0.00000	0.00000	0.13071	0.13071	0.00000	0.03064	0.03064	—	121.843	121.843	0.00154	0.00474	0.01056	123.305
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03663	0.00562	0.48870	0.21139	0.00275	0.00523	0.10739	0.11262	0.00523	0.03012	0.03535	—	398.859	398.859	0.03074	0.06436	0.01968	418.826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00272	0.00233	0.00284	0.03645	0.00000	0.00000	0.01062	0.01062	0.00000	0.00249	0.00249	—	10.1513	10.1513	0.00013	0.00039	0.01443	10.2850
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00304	0.00048	0.04041	0.01729	0.00023	0.00043	0.00875	0.00918	0.00043	0.00246	0.00289	—	32.7758	32.7758	0.00253	0.00529	0.02694	34.4422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00050	0.00042	0.00052	0.00665	0.00000	0.00000	0.00194	0.00194	0.00000	0.00045	0.00045	—	1.68066	1.68066	0.00002	0.00006	0.00239	1.70279
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00056	0.00009	0.00738	0.00316	0.00004	0.00008	0.00160	0.00168	0.00008	0.00045	0.00053	—	5.42641	5.42641	0.00042	0.00088	0.00446	5.70231

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.55956	0.46557	3.95710	4.75000	0.00931	0.12529	—	0.12529	0.11527	—	0.11527	—	863.451	863.451	0.03503	0.00701	—	866.414
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10212	0.08497	0.72217	0.86688	0.00170	0.02287	—	0.02287	0.02104	—	0.02104	—	142.954	142.954	0.00580	0.00116	—	143.445
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.26794	1.08741	1.14199	18.8344	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,876.17	4,876.17	0.05038	0.18053	15.4611	4,946.69
Vendor	0.13764	0.03640	1.73593	0.86198	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,740.88	1,740.88	0.08852	0.23762	4.16427	1,818.07
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.26794	1.07901	1.16718	16.1977	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,640.76	4,640.76	0.05878	0.18053	0.40208	4,696.43
Vendor	0.13639	0.03516	1.80923	0.88193	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,741.79	1,741.79	0.08727	0.23762	0.10783	1,814.89
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60389	0.51733	0.63006	8.09818	0.00000	0.00000	2.36057	2.36057	0.00000	0.55290	0.55290	—	2,255.41	2,255.41	0.02818	0.08656	3.20584	2,285.11
Vendor	0.06599	0.01745	0.87306	0.41746	0.00610	0.00610	0.22982	0.23592	0.00610	0.06355	0.06965	—	834.853	834.853	0.04184	0.11393	0.86053	870.711
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11021	0.09441	0.11499	1.47792	0.00000	0.00000	0.43080	0.43080	0.00000	0.10090	0.10090	—	373.408	373.408	0.00467	0.01433	0.53076	378.326
Vendor	0.01204	0.00319	0.15933	0.07619	0.00111	0.00111	0.04194	0.04305	0.00111	0.01160	0.01271	—	138.219	138.219	0.00693	0.01886	0.14247	144.156
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16707	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041	—	1,800.91	1,800.91	0.07305	0.01461	—	1,807.09
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55956	0.46557	3.95710	4.75000	0.00931	0.12529	—	0.12529	0.11527	—	0.11527	—	863.451	863.451	0.03503	0.00701	—	866.414
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10212	0.08497	0.72217	0.86688	0.00170	0.02287	—	0.02287	0.02104	—	0.02104	—	142.954	142.954	0.00580	0.00116	—	143.445
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.26794	1.08741	1.14199	18.8344	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,876.17	4,876.17	0.05038	0.18053	15.4611	4,946.69
Vendor	0.13764	0.03640	1.73593	0.86198	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,740.88	1,740.88	0.08852	0.23762	4.16427	1,818.07
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.26794	1.07901	1.16718	16.1977	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,640.76	4,640.76	0.05878	0.18053	0.40208	4,696.43
Vendor	0.13639	0.03516	1.80923	0.88193	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,741.79	1,741.79	0.08727	0.23762	0.10783	1,814.89
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60389	0.51733	0.63006	8.09818	0.00000	0.00000	2.36057	2.36057	0.00000	0.55290	0.55290	—	2,255.41	2,255.41	0.02818	0.08656	3.20584	2,285.11
Vendor	0.06599	0.01745	0.87306	0.41746	0.00610	0.00610	0.22982	0.23592	0.00610	0.06355	0.06965	—	834.853	834.853	0.04184	0.11393	0.86053	870.711
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11021	0.09441	0.11499	1.47792	0.00000	0.00000	0.43080	0.43080	0.00000	0.10090	0.10090	—	373.408	373.408	0.00467	0.01433	0.53076	378.326
Vendor	0.01204	0.00319	0.15933	0.07619	0.00111	0.00111	0.04194	0.04305	0.00111	0.01160	0.01271	—	138.219	138.219	0.00693	0.01886	0.14247	144.156

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	—	1,807.49
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	—	1,807.49
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39726	0.33055	2.81011	3.51747	0.00692	0.08223	—	0.08223	0.07565	—	0.07565	—	641.563	641.563	0.02602	0.00520	—	643.765
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07250	0.06033	0.51285	0.64194	0.00126	0.01501	—	0.01501	0.01381	—	0.01381	—	106.218	106.218	0.00431	0.00086	—	106.583
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23435	1.05382	0.97825	17.7680	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,789.19	4,789.19	0.05038	0.02519	13.8172	4,811.78
Vendor	0.12492	0.03516	1.66486	0.83405	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,700.52	1,700.52	0.08602	0.23762	3.74603	1,777.23
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22596	1.04542	1.15038	15.2615	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,558.23	4,558.23	0.05878	0.18053	0.35765	4,613.85
Vendor	0.12243	0.03516	1.73817	0.85275	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,701.47	1,701.47	0.08727	0.23762	0.09729	1,774.56
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43963	0.37533	0.40973	5.68233	0.00000	0.00000	1.75356	1.75356	0.00000	0.41073	0.41073	—	1,645.67	1,645.67	0.02093	0.06430	2.12830	1,667.48
Vendor	0.04405	0.01297	0.61916	0.30017	0.00453	0.00453	0.17072	0.17525	0.00453	0.04721	0.05174	—	605.807	605.807	0.03108	0.08463	0.57643	632.381
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08023	0.06850	0.07477	1.03703	0.00000	0.00000	0.32003	0.32003	0.00000	0.07496	0.07496	—	272.459	272.459	0.00347	0.01065	0.35236	276.071
Vendor	0.00804	0.00237	0.11300	0.05478	0.00083	0.00083	0.03116	0.03198	0.00083	0.00862	0.00944	—	100.298	100.298	0.00515	0.01401	0.09543	104.698
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	—	1,807.49
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11538	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240	—	1,801.31	1,801.31	0.07307	0.01461	—	1,807.49
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39726	0.33055	2.81011	3.51747	0.00692	0.08223	—	0.08223	0.07565	—	0.07565	—	641.563	641.563	0.02602	0.00520	—	643.765
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07250	0.06033	0.51285	0.64194	0.00126	0.01501	—	0.01501	0.01381	—	0.01381	—	106.218	106.218	0.00431	0.00086	—	106.583
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23435	1.05382	0.97825	17.7680	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,789.19	4,789.19	0.05038	0.02519	13.8172	4,811.78
Vendor	0.12492	0.03516	1.66486	0.83405	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,700.52	1,700.52	0.08602	0.23762	3.74603	1,777.23
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22596	1.04542	1.15038	15.2615	0.00000	0.00000	4.97846	4.97846	0.00000	1.16694	1.16694	—	4,558.23	4,558.23	0.05878	0.18053	0.35765	4,613.85
Vendor	0.12243	0.03516	1.73817	0.85275	0.01272	0.01272	0.48384	0.49655	0.01272	0.13368	0.14639	—	1,701.47	1,701.47	0.08727	0.23762	0.09729	1,774.56
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43963	0.37533	0.40973	5.68233	0.00000	0.00000	1.75356	1.75356	0.00000	0.41073	0.41073	—	1,645.67	1,645.67	0.02093	0.06430	2.12830	1,667.48
Vendor	0.04405	0.01297	0.61916	0.30017	0.00453	0.00453	0.17072	0.17525	0.00453	0.04721	0.05174	—	605.807	605.807	0.03108	0.08463	0.57643	632.381
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08023	0.06850	0.07477	1.03703	0.00000	0.00000	0.32003	0.32003	0.00000	0.07496	0.07496	—	272.459	272.459	0.00347	0.01065	0.35236	276.071
Vendor	0.00804	0.00237	0.11300	0.05478	0.00083	0.00083	0.03116	0.03198	0.00083	0.00862	0.00944	—	100.298	100.298	0.00515	0.01401	0.09543	104.698
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Paving (2027)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54404	0.45646	4.29849	6.48965	0.00940	0.16865	—	0.16865	0.15516	—	0.15516	—	991.534	991.534	0.04022	0.00804	—	994.937
Paving	0.00815	0.00815	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54404	0.45646	4.29849	6.48965	0.00940	0.16865	—	0.16865	0.15516	—	0.15516	—	991.534	991.534	0.04022	0.00804	—	994.937
Paving	0.00815	0.00815	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06707	0.05628	0.52995	0.80009	0.00116	0.02079	—	0.02079	0.01913	—	0.01913	—	122.244	122.244	0.00496	0.00099	—	122.663
Paving	0.00101	0.00101	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01224	0.01027	0.09672	0.14602	0.00021	0.00379	—	0.00379	0.00349	—	0.00349	—	20.2389	20.2389	0.00082	0.00016	—	20.3083
Paving	0.00018	0.00018	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.6.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04161	0.03569	0.03748	0.61812	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	160.030	160.030	0.00165	0.00592	0.50741	162.344
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04161	0.03541	0.03831	0.53159	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	152.304	152.304	0.00193	0.00592	0.01320	154.131
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00510	0.00437	0.00532	0.06834	0.00000	0.00000	0.01992	0.01992	0.00000	0.00467	0.00467	—	19.0336	19.0336	0.00024	0.00073	0.02705	19.2843
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00093	0.00080	0.00097	0.01247	0.00000	0.00000	0.00364	0.00364	0.00000	0.00085	0.00085	—	3.15123	3.15123	0.00004	0.00012	0.00448	3.19273
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54404	0.45646	4.29849	6.48965	0.00940	0.16865	—	0.16865	0.15516	—	0.15516	—	991.534	991.534	0.04022	0.00804	—	994.937
Paving	0.00815	0.00815	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54404	0.45646	4.29849	6.48965	0.00940	0.16865	—	0.16865	0.15516	—	0.15516	—	991.534	991.534	0.04022	0.00804	—	994.937
Paving	0.00815	0.00815	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06707	0.05628	0.52995	0.80009	0.00116	0.02079	—	0.02079	0.01913	—	0.01913	—	122.244	122.244	0.00496	0.00099	—	122.663
Paving	0.00101	0.00101	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01224	0.01027	0.09672	0.14602	0.00021	0.00379	—	0.00379	0.00349	—	0.00349	—	20.2389	20.2389	0.00082	0.00016	—	20.3083
Paving	0.00018	0.00018	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.6.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04161	0.03569	0.03748	0.61812	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	160.030	160.030	0.00165	0.00592	0.50741	162.344
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04161	0.03541	0.03831	0.53159	0.00000	0.00000	0.16339	0.16339	0.00000	0.03830	0.03830	—	152.304	152.304	0.00193	0.00592	0.01320	154.131
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00510	0.00437	0.00532	0.06834	0.00000	0.00000	0.01992	0.01992	0.00000	0.00467	0.00467	—	19.0336	19.0336	0.00024	0.00073	0.02705	19.2843
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00093	0.00080	0.00097	0.01247	0.00000	0.00000	0.00364	0.00364	0.00000	0.00085	0.00085	—	3.15123	3.15123	0.00004	0.00012	0.00448	3.19273
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	19.5270	19.5270	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01565	0.01294	0.09742	0.13481	0.00021	0.00185	—	0.00185	0.00170	—	0.00170	—	16.0952	16.0952	0.00065	0.00013	—	16.1504
Architectural Coatings	2.35394	2.35394	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00286	0.00236	0.01778	0.02460	0.00004	0.00034	—	0.00034	0.00031	—	0.00031	—	2.66474	2.66474	0.00011	0.00002	—	2.67389

Architect Coatings	0.42959	0.42959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24687	0.21076	0.19565	3.55360	0.00000	0.00000	0.99569	0.99569	0.00000	0.23339	0.23339	—	957.839	957.839	0.01008	0.00504	2.76344	962.355
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02976	0.02541	0.02774	0.38465	0.00000	0.00000	0.11870	0.11870	0.00000	0.02780	0.02780	—	111.399	111.399	0.00142	0.00435	0.14407	112.876
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00543	0.00464	0.00506	0.07020	0.00000	0.00000	0.02166	0.02166	0.00000	0.00507	0.00507	—	18.4434	18.4434	0.00023	0.00072	0.02385	18.6879
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	19.5270	19.5270	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01565	0.01294	0.09742	0.13481	0.00021	0.00185	—	0.00185	0.00170	—	0.00170	—	16.0952	16.0952	0.00065	0.00013	—	16.1504
Architectural Coatings	2.35394	2.35394	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00286	0.00236	0.01778	0.02460	0.00004	0.00034	—	0.00034	0.00031	—	0.00031	—	2.66474	2.66474	0.00011	0.00002	—	2.67389
Architectural Coatings	0.42959	0.42959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.7.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24687	0.21076	0.19565	3.55360	0.00000	0.00000	0.99569	0.99569	0.00000	0.23339	0.23339	—	957.839	957.839	0.01008	0.00504	2.76344	962.355
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02976	0.02541	0.02774	0.38465	0.00000	0.00000	0.11870	0.11870	0.00000	0.02780	0.02780	—	111.399	111.399	0.00142	0.00435	0.14407	112.876
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00543	0.00464	0.00506	0.07020	0.00000	0.00000	0.02166	0.02166	0.00000	0.00507	0.00507	—	18.4434	18.4434	0.00023	0.00072	0.02385	18.6879
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.20200	1.10044	0.74052	8.81389	0.02348	0.01338	2.30549	2.31886	0.01246	0.58518	0.59765	—	2,398.22	2,398.22	0.10499	0.09160	6.74329	2,434.88
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.20200	1.10044	0.74052	8.81389	0.02348	0.01338	2.30549	2.31886	0.01246	0.58518	0.59765	—	2,398.22	2,398.22	0.10499	0.09160	6.74329	2,434.88
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.19465	1.09169	0.80422	8.23066	0.02258	0.01338	2.30549	2.31887	0.01247	0.58518	0.59765	—	2,306.68	2,306.68	0.10937	0.09576	0.17484	2,338.12
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.19465	1.09169	0.80422	8.23066	0.02258	0.01338	2.30549	2.31887	0.01247	0.58518	0.59765	—	2,306.68	2,306.68	0.10937	0.09576	0.17484	2,338.12
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.21651	0.19775	0.14810	1.53641	0.00416	0.00244	0.41611	0.41855	0.00228	0.10564	0.10791	—	385.984	385.984	0.01799	0.01590	0.48206	391.653
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.21651	0.19775	0.14810	1.53641	0.00416	0.00244	0.41611	0.41855	0.00228	0.10564	0.10791	—	385.984	385.984	0.01799	0.01590	0.48206	391.653

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.93759	0.85837	0.57762	6.87504	0.01832	0.01043	1.79833	1.80877	0.00972	0.45645	0.46618	—	1,870.66	1,870.66	0.08189	0.07145	5.25992	1,899.26
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.93759	0.85837	0.57762	6.87504	0.01832	0.01043	1.79833	1.80877	0.00972	0.45645	0.46618	—	1,870.66	1,870.66	0.08189	0.07145	5.25992	1,899.26
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.93186	0.85154	0.62731	6.42010	0.01761	0.01044	1.79833	1.80877	0.00973	0.45645	0.46618	—	1,799.26	1,799.26	0.08531	0.07470	0.13638	1,823.79
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.93186	0.85154	0.62731	6.42010	0.01761	0.01044	1.79833	1.80877	0.00973	0.45645	0.46618	—	1,799.26	1,799.26	0.08531	0.07470	0.13638	1,823.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.16888	0.15425	0.11552	1.19843	0.00325	0.00190	0.32458	0.32648	0.00177	0.08240	0.08417	—	301.077	301.077	0.01403	0.01240	0.37602	305.499
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.16888	0.15425	0.11552	1.19843	0.00325	0.00190	0.32458	0.32648	0.00177	0.08240	0.08417	—	301.077	301.077	0.01403	0.01240	0.37602	305.499

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,912.34	1,912.34	0.18229	0.02210	—	1,923.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.06831	5.06831	0.00048	0.00006	—	5.09784
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,917.41	1,917.41	0.18277	0.02215	—	1,928.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,912.34	1,912.34	0.18229	0.02210	—	1,923.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.06831	5.06831	0.00048	0.00006	—	5.09784
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,917.41	1,917.41	0.18277	0.02215	—	1,928.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	316.609	316.609	0.03018	0.00366	—	318.454
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.83912	0.83912	0.00008	0.00001	—	0.84401
Total	—	—	—	—	—	—	—	—	—	—	—	—	317.449	317.449	0.03026	0.00367	—	319.298

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	1,881.89	1,881.89	0.17939	0.02174	—	1,892.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.06831	5.06831	0.00048	0.00006	—	5.09784
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,886.96	1,886.96	0.17987	0.02180	—	1,897.96
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,881.89	1,881.89	0.17939	0.02174	—	1,892.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.06831	5.06831	0.00048	0.00006	—	5.09784
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,886.96	1,886.96	0.17987	0.02180	—	1,897.96
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	311.569	311.569	0.02970	0.00360	—	313.384
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.83912	0.83912	0.00008	0.00001	—	0.84401
Total	—	—	—	—	—	—	—	—	—	—	—	—	312.408	312.408	0.02978	0.00361	—	314.228

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Product s	2.93228	2.93228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.23539	0.23539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipm ent	2.76234	2.61572	0.28420	30.0647	0.00130	0.01405	—	0.01405	0.01059	—	0.01059	—	80.2426	80.2426	0.00335	0.00067	—	80.5248
Total	5.93001	5.78339	0.28420	30.0647	0.00130	0.01405	—	0.01405	0.01059	—	0.01059	—	80.2426	80.2426	0.00335	0.00067	—	80.5248

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.93228	2.93228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.23539	0.23539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.16767	3.16767	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.53514	0.53514	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04296	0.04296	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.34529	0.32697	0.03553	3.75809	0.00016	0.00176	—	0.00176	0.00132	—	0.00132	—	9.09936	9.09936	0.00038	0.00008	—	9.13137
Total	0.92339	0.90507	0.03553	3.75809	0.00016	0.00176	—	0.00176	0.00132	—	0.00132	—	9.09936	9.09936	0.00038	0.00008	—	9.13137

4.3.2. Mitigated

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

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

Consumer Products	2.93228	2.93228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.23539	0.23539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.76234	2.61572	0.28420	30.0647	0.00130	0.01405	—	0.01405	0.01059	—	0.01059	—	80.2426	80.2426	0.00335	0.00067	—	80.5248
Total	5.93001	5.78339	0.28420	30.0647	0.00130	0.01405	—	0.01405	0.01059	—	0.01059	—	80.2426	80.2426	0.00335	0.00067	—	80.5248
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.93228	2.93228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.23539	0.23539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.16767	3.16767	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.53514	0.53514	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04296	0.04296	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.34529	0.32697	0.03553	3.75809	0.00016	0.00176	—	0.00176	0.00132	—	0.00132	—	9.09936	9.09936	0.00038	0.00008	—	9.13137

Total	0.92339	0.90507	0.03553	3.75809	0.00016	0.00176	—	0.00176	0.00132	—	0.00132	—	9.09936	9.09936	0.00038	0.00008	—	9.13137
-------	---------	---------	---------	---------	---------	---------	---	---------	---------	---	---------	---	---------	---------	---------	---------	---	---------

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.29784	21.8876	28.1854	0.64786	0.01560	—	49.0295
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	6.29784	21.8876	28.1854	0.64786	0.01560	—	49.0295

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	38.0393	132.202	170.241	3.91310	0.09420	—	296.141
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.29784	21.8876	28.1854	0.64786	0.01560	—	49.0295
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	6.29784	21.8876	28.1854	0.64786	0.01560	—	49.0295

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.8946	0.00000	34.8946	3.48759	0.00000	—	122.084
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	34.8946	0.00000	34.8946	3.48759	0.00000	—	122.084

4.5.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	210.765	0.00000	210.765	21.0652	0.00000	—	737.396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.8946	0.00000	34.8946	3.48759	0.00000	—	122.084
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	34.8946	0.00000	34.8946	3.48759	0.00000	—	122.084

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

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

4.6.2. Mitigated

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

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

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	11/1/2026	1/16/2027	5.00000	55.0000	—
Grading	Grading	1/17/2027	2/28/2027	5.00000	30.0000	—
Building Construction	Building Construction	5/1/2027	6/30/2028	5.00000	305.000	—
Paving	Paving	3/1/2027	4/30/2027	5.00000	45.0000	—
Architectural Coating	Architectural Coating	7/1/2028	8/31/2028	5.00000	44.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000

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

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000

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

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	9.78182	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	5.93333	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	380.880	18.5000	LDA,LDT1,LDT2

Building Construction	Vendor	56.5501	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	12.5000	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	76.1760	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	12.5000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	9.78182	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	5.93333	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	380.880	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	56.5501	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	12.5000	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	76.1760	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	277,425	92,475.0	0.00000	0.00000	366.000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	2,149.00	0.00000
Grading	1,420.00	—	43.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.14004

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	—	0%
Paving	Parking Lot	0.14004	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	346.196	0.03300	0.00400
2027	0.00000	346.196	0.03300	0.00400
2028	0.00000	346.196	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
Apartments Mid Rise	382.784	382.784	382.784	139,716	3,258.15	3,258.15	3,258.15	1,189,223
Parking Lot	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
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Apartments Mid Rise	298.581	298.581	298.581	108,982	2,541.43	2,541.43	2,541.43	927,622
Parking Lot	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)
Apartments Mid Rise	Wood Fireplaces	0	0
Apartments Mid Rise	Gas Fireplaces	0	0
Apartments Mid Rise	Propane Fireplaces	0	0
Apartments Mid Rise	Electric Fireplaces	0	0
Apartments Mid Rise	No Fireplaces	0	0
Apartments Mid Rise	Conventional Wood Stoves	0	0
Apartments Mid Rise	Catalytic Wood Stoves	0	0
Apartments Mid Rise	Non-Catalytic Wood Stoves	0	0
Apartments Mid Rise	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

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)
277,425	92,475.0	0.00000	0.00000	366.000

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)
Apartments Mid Rise	2,016,209	346.196	0.0330	0.0040	0.00000
Parking Lot	5,343.60	346.196	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)
Apartments Mid Rise	1,984,110	346.196	0.0330	0.0040	0.00000
Parking Lot	5,343.60	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	19,851,069	800,878
Parking Lot	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	19,851,069	800,878
Parking Lot	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	391.074	0.00000
Parking Lot	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	391.074	0.00000
Parking Lot	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

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
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	—	annual days of extreme heat
Extreme Precipitation	—	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	—	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	56.9633
AQ-PM	53.5905
AQ-DPM	61.8171
Drinking Water	47.2961
Lead Risk Housing	11.2287
Pesticides	5.44828
Toxic Releases	80.1950
Traffic	69.2625
Effect Indicators	—
CleanUp Sites	33.8746
Groundwater	47.4348
Haz Waste Facilities/Generators	83.9444
Impaired Water Bodies	77.2995
Solid Waste	52.8981
Sensitive Population	—
Asthma	0.13709

Cardio-vascular	0.24925
Low Birth Weights	41.4678
Socioeconomic Factor Indicators	—
Education	0.15186
Housing	85.2725
Linguistic	40.8986
Poverty	88.7312
Unemployment	70.9006

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	22.59720262
Employed	14.53868857
Median HI	23.20030797
Education	—
Bachelor's or higher	99.94867189
High school enrollment	100
Preschool enrollment	71.32041576
Transportation	—
Auto Access	18.14448864
Active commuting	98.49865264
Social	—
2-parent households	80.40549211
Voting	2.335429231
Neighborhood	—
Alcohol availability	72.51379443

Park access	43.16694469
Retail density	96.81765687
Supermarket access	50.96881817
Tree canopy	59.16848454
Housing	—
Homeownership	16.06569999
Housing habitability	47.31168998
Low-inc homeowner severe housing cost burden	98.11369177
Low-inc renter severe housing cost burden	23.63659695
Uncrowded housing	75.52932119
Health Outcomes	—
Insured adults	94.73886822
Arthritis	99.5
Asthma ER Admissions	99.7
High Blood Pressure	99.5
Cancer (excluding skin)	99.5
Asthma	46.1
Coronary Heart Disease	99.5
Chronic Obstructive Pulmonary Disease	98.5
Diagnosed Diabetes	99.5
Life Expectancy at Birth	90.7
Cognitively Disabled	74.6
Physically Disabled	99.3
Heart Attack ER Admissions	98.5
Mental Health Not Good	51.7
Chronic Kidney Disease	99.7
Obesity	99.1
Pedestrian Injuries	19.6

Physical Health Not Good	97.7
Stroke	99.6
Health Risk Behaviors	—
Binge Drinking	13.6
Current Smoker	60.5
No Leisure Time for Physical Activity	71.9
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	93.4
Elderly	98.8
English Speaking	61.7
Foreign-born	49.5
Outdoor Workers	91.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	66.4
Traffic Density	63.5
Traffic Access	23.0
Other Indices	—
Hardship	33.3
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0000
Healthy Places Index Score for Project Location (b)	66.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on the updated site plan
Construction: Construction Phases	Construction duration of 22 months per client
Construction: Dust From Material Movement	Grading assumption per client
Operations: Vehicle Data	Total Daily Trips for Site A = 383
Operations: Hearths	SCAQMD rule 445 prohibits permanent installation of wood burning devices.
Operations: Energy Use	Per UC Sustainable practices, new building or major renovation projects must not use onsite fossil fuel combustion (e.g. natural gas) for space and water heating.
Operations: Refrigerants	Refrigerants are used for warehouse and commercial uses.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	13.9211	1.75000

Building Area	sq. ft	507,840	137,000
Landscape Area	sq. ft	—	50,559.0

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	Start Date	11/2/2026	11/1/2026
Demolition	Demolition	End Date	11/30/2026	1/16/2027
Demolition	Demolition	Work Days per Phase	20.0000	55.0000
Grading	Grading	Start Date	12/4/2026	1/17/2027
Grading	Grading	End Date	12/9/2026	2/28/2027
Grading	Grading	Work Days per Phase	4.00000	30.0000
Building Construction	Building Construction	Start Date	12/10/2026	5/1/2027
Building Construction	Building Construction	End Date	9/16/2027	6/30/2028
Building Construction	Building Construction	Work Days per Phase	200.000	305.000
Paving	Paving	Start Date	9/17/2027	3/1/2027
Paving	Paving	End Date	10/1/2027	4/30/2027
Paving	Paving	Work Days per Phase	10.00000	45.0000
Architectural Coating	Architectural Coating	Start Date	10/2/2027	7/1/2028
Architectural Coating	Architectural Coating	End Date	10/16/2027	8/31/2028
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	44.0000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Imported	Cubic Yards	—	1,420.00
Grading	Total Acres Graded	acres	30.0000	43.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Weekday Trip Rate	size/day	5.44000	0.72360
Apartments Mid Rise	Saturday Trip Rate	size/day	4.91000	0.72360
Apartments Mid Rise	Sunday Trip Rate	size/day	4.09000	0.72360

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Electricity	kWh/yr	1,939,226	2,016,209
Apartments Mid Rise	Electricity (Subject to Title 24)	kWh/yr	549,646	571,465
Apartments Mid Rise	Electricity (Not Subject to Title 24)	kWh/yr	1,389,580	1,444,743
Apartments Mid Rise	Natural Gas	kBTU/yr	5,875,520	0.00000
Apartments Mid Rise	Natural Gas (Subject to Title 24)	kBTU/yr	5,119,098	0.00000
Apartments Mid Rise	Natural Gas (Not Subject to Title 24)	kBTU/yr	756,422	0.00000

Site B - UCI East Campus Housing 2026 Detailed Report

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3.1.1. Onsite - Unmitigated

3.1.2. Offsite - Unmitigated

3.1.3. Onsite - Mitigated

3.1.4. Offsite - Mitigated

3.2. Demolition (2027)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.2.3. Onsite - Mitigated

3.2.4. Offsite - Mitigated

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.3.3. Onsite - Mitigated

3.3.4. Offsite - Mitigated

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.4.3. Onsite - Mitigated

3.4.4. Offsite - Mitigated

3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.5.3. Onsite - Mitigated

3.5.4. Offsite - Mitigated

3.6. Paving (2027)

3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

3.6.3. Onsite - Mitigated

3.6.4. Offsite - Mitigated

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

3.7.2. Offsite - Unmitigated

3.7.3. Onsite - Mitigated

3.7.4. Offsite - Mitigated

4. Operations Emissions Details

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4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

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

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.4. Construction

8.4.1. Construction Phases

8.4.4. Dust from Material Movement

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Site B - UCI East Campus Housing 2026
Construction Start Date	11/2/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	17.2000
Location	33.6473887597197, -117.8347408184658
County	Orange
City	Irvine
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5907
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.38

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
Apartments Mid Rise	571.000	Dwelling Unit	1.50000	155,000	12,040.0	—	1,702.00	—

Parking Lot	22.3000	1000sqft	0.51194	0.00000	0.00000	—	—	—
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-3	Provide Transit-Oriented Development
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.5670	22.5151	12.1939	27.7399	0.03355	0.33216	4.22813	4.56029	0.30643	1.00769	1.31411	—	7,414.82	7,414.82	0.22272	0.36174	15.3138	7,543.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.75092	2.27968	14.2869	25.8780	0.03355	0.55331	4.22813	4.56029	0.51020	1.44046	1.95066	—	7,234.91	7,234.91	0.23046	0.36175	0.39787	7,348.87
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.66217	3.49908	8.20419	15.4152	0.02099	0.24827	2.33519	2.58347	0.22894	0.60957	0.83851	—	4,074.70	4,074.70	0.13797	0.19781	3.31186	4,140.41
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.66835	0.63858	1.49727	2.81327	0.00383	0.04531	0.42617	0.47148	0.04178	0.11125	0.15303	—	674.614	674.614	0.02284	0.03275	0.54832	685.493

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.75227	2.29009	12.1939	27.7399	0.03354	0.33216	4.22813	4.56029	0.30643	1.00769	1.31411	—	7,414.82	7,414.82	0.22272	0.36174	15.3138	7,543.50
2028	22.5670	22.5151	11.5382	26.8219	0.03355	0.29514	4.22813	4.52327	0.27237	1.00769	1.28005	—	7,314.78	7,314.78	0.22005	0.24220	13.7057	7,406.16
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.80223	1.44566	14.2869	15.6155	0.03110	0.52197	1.73500	2.25696	0.48130	0.30857	0.78987	—	3,666.93	3,666.93	0.18363	0.19272	0.06612	3,729.02
2027	2.75092	2.27968	13.7379	25.8780	0.03354	0.55331	4.22813	4.56029	0.51020	1.44046	1.95066	—	7,234.91	7,234.91	0.23044	0.36174	0.39787	7,348.87
2028	2.63378	2.19345	11.7418	25.0510	0.03355	0.29514	4.22813	4.52327	0.27237	1.00769	1.28005	—	7,138.31	7,138.31	0.23046	0.36175	0.35503	7,252.22
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.21522	0.17258	1.70727	1.86557	0.00371	0.06231	0.20667	0.26898	0.05745	0.03672	0.09418	—	437.889	437.889	0.02196	0.02301	0.13144	445.426
2027	1.61948	1.34235	8.20419	15.4152	0.02099	0.24827	2.33519	2.58347	0.22894	0.60957	0.83851	—	4,074.70	4,074.70	0.13797	0.19781	3.31186	4,140.41
2028	3.66217	3.49908	4.30132	9.54928	0.01216	0.10697	1.58087	1.68784	0.09871	0.37620	0.47491	—	2,661.55	2,661.55	0.08426	0.13251	2.22151	2,705.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03928	0.03150	0.31158	0.34047	0.00068	0.01137	0.03772	0.04909	0.01049	0.00670	0.01719	—	72.4976	72.4976	0.00364	0.00381	0.02176	73.7453
2027	0.29556	0.24498	1.49727	2.81327	0.00383	0.04531	0.42617	0.47148	0.04178	0.11125	0.15303	—	674.614	674.614	0.02284	0.03275	0.54832	685.493
2028	0.66835	0.63858	0.78499	1.74274	0.00222	0.01952	0.28851	0.30803	0.01801	0.06866	0.08667	—	440.650	440.650	0.01395	0.02194	0.36780	447.904

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

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

2027	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	0.00000	0.32173	0.29600	0.00000	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	0.00000	2,208.44
2028	22.3198	22.2972	9.22917	11.6712	0.02312	0.28471	0.00000	0.28471	0.26194	0.00000	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	0.00000	2,208.97
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	1.33813	1.84644	0.46764	0.20263	0.67027	—	2,493.95	2,493.95	0.10117	0.02023	0.00000	2,502.51
2027	1.63491	1.37378	12.4325	14.4354	0.02393	0.53897	2.76488	3.30385	0.49585	1.33605	1.83190	—	2,493.82	2,493.82	0.10116	0.02023	0.00000	2,502.37
2028	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	0.00000	0.28471	0.26194	0.00000	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	0.00000	2,208.97
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	0.15974	0.22042	0.05582	0.02419	0.08001	—	297.712	297.712	0.01208	0.00242	0.00000	298.734
2027	0.93285	0.77963	6.74702	8.21394	0.01515	0.24167	0.26915	0.51081	0.22233	0.11616	0.33849	—	1,488.47	1,488.47	0.06038	0.01208	0.00000	1,493.58
2028	3.15161	3.07201	3.38452	4.29167	0.00844	0.10326	0.00000	0.10326	0.09500	0.00000	0.09500	—	800.161	800.161	0.03246	0.00649	0.00000	802.907
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	0.02915	0.04023	0.01019	0.00441	0.01460	—	49.2896	49.2896	0.00200	0.00040	0.00000	49.4588
2027	0.17025	0.14228	1.23133	1.49904	0.00277	0.04410	0.04912	0.09322	0.04058	0.02120	0.06177	—	246.434	246.434	0.01000	0.00200	0.00000	247.280
2028	0.57517	0.56064	0.61768	0.78323	0.00154	0.01884	0.00000	0.01884	0.01734	0.00000	0.01734	—	132.476	132.476	0.00537	0.00107	0.00000	132.930

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.39784	1.16161	2.49783	16.0366	0.01043	0.01043	4.22813	4.23856	0.01043	1.00769	1.01812	—	5,213.94	5,213.94	0.13344	0.34389	15.3138	5,335.06
2028	1.35116	1.12401	2.30900	15.1508	0.01043	0.01043	4.22813	4.23856	0.01043	1.00769	1.01812	—	5,113.36	5,113.36	0.13075	0.22434	13.7057	5,197.19
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.14286	0.05426	1.34554	0.99917	0.00717	0.01366	0.39686	0.41052	0.01366	0.10594	0.11960	—	1,172.98	1,172.98	0.08246	0.17249	0.06612	1,226.51
2027	1.39650	1.15120	2.59096	14.1747	0.01043	0.01434	4.22813	4.23856	0.01434	1.00769	1.01812	—	5,034.02	5,034.02	0.14116	0.34389	0.39787	5,140.43

2028	1.33940	1.11495	2.51262	13.3799	0.01043	0.01043	4.22813	4.23856	0.01043	1.00769	1.01812	—	4,936.89	4,936.89	0.14116	0.34389	0.35503	5,043.25
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01714	0.00649	0.16242	0.12076	0.00086	0.00163	0.04693	0.04856	0.00163	0.01254	0.01417	—	140.177	140.177	0.00988	0.02059	0.13144	146.692
2027	0.68663	0.56272	1.45717	7.20121	0.00584	0.00661	2.06604	2.07265	0.00661	0.49341	0.50002	—	2,586.23	2,586.23	0.07759	0.18573	3.31186	2,646.83
2028	0.51056	0.42708	0.91680	5.25761	0.00371	0.00371	1.58087	1.58459	0.00371	0.37620	0.37992	—	1,861.39	1,861.39	0.05181	0.12602	2.22151	1,902.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00313	0.00118	0.02964	0.02204	0.00016	0.00030	0.00857	0.00886	0.00030	0.00229	0.00259	—	23.2080	23.2080	0.00164	0.00341	0.02176	24.2865
2027	0.12531	0.10270	0.26593	1.31422	0.00107	0.00121	0.37705	0.37826	0.00121	0.09005	0.09125	—	428.180	428.180	0.01285	0.03075	0.54832	438.213
2028	0.09318	0.07794	0.16732	0.95951	0.00068	0.00068	0.28851	0.28919	0.00068	0.06866	0.06933	—	308.174	308.174	0.00858	0.02086	0.36780	314.974

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.75227	2.29009	12.1939	27.7399	0.03354	0.33216	4.22813	4.56029	0.30643	1.00769	1.31411	—	7,414.82	7,414.82	0.22272	0.36174	15.3138	7,543.50
2028	22.5670	22.5151	11.5382	26.8219	0.03355	0.29514	4.22813	4.52327	0.27237	1.00769	1.28005	—	7,314.78	7,314.78	0.22005	0.24220	13.7057	7,406.16
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.80223	1.44566	14.2869	15.6155	0.03110	0.52197	1.73500	2.25696	0.48130	0.30857	0.78987	—	3,666.93	3,666.93	0.18363	0.19272	0.06612	3,729.02
2027	2.75092	2.27968	13.7379	25.8780	0.03354	0.55331	4.22813	4.56029	0.51020	1.44046	1.95066	—	7,234.91	7,234.91	0.23044	0.36174	0.39787	7,348.87
2028	2.63378	2.19345	11.7418	25.0510	0.03355	0.29514	4.22813	4.52327	0.27237	1.00769	1.28005	—	7,138.31	7,138.31	0.23046	0.36175	0.35503	7,252.22
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.21522	0.17258	1.70727	1.86557	0.00371	0.06231	0.20667	0.26898	0.05745	0.03672	0.09418	—	437.889	437.889	0.02196	0.02301	0.13144	445.426
2027	1.61948	1.34235	8.20419	15.4152	0.02099	0.24827	2.33519	2.58347	0.22894	0.60957	0.83851	—	4,074.70	4,074.70	0.13797	0.19781	3.31186	4,140.41
2028	3.66217	3.49908	4.30132	9.54928	0.01216	0.10697	1.58087	1.68784	0.09871	0.37620	0.47491	—	2,661.55	2,661.55	0.08426	0.13251	2.22151	2,705.37

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03928	0.03150	0.31158	0.34047	0.00068	0.01137	0.03772	0.04909	0.01049	0.00670	0.01719	—	72.4976	72.4976	0.00364	0.00381	0.02176	73.7453
2027	0.29556	0.24498	1.49727	2.81327	0.00383	0.04531	0.42617	0.47148	0.04178	0.11125	0.15303	—	674.614	674.614	0.02284	0.03275	0.54832	685.493
2028	0.66835	0.63858	0.78499	1.74274	0.00222	0.01952	0.28851	0.30803	0.01801	0.06866	0.08667	—	440.650	440.650	0.01395	0.02194	0.36780	447.904

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	0.00000	0.32173	0.29600	0.00000	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	0.00000	2,208.44
2028	22.3198	22.2972	9.22917	11.6712	0.02312	0.28471	0.00000	0.28471	0.26194	0.00000	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	0.00000	2,208.97
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	1.33813	1.84644	0.46764	0.20263	0.67027	—	2,493.95	2,493.95	0.10117	0.02023	0.00000	2,502.51
2027	1.63491	1.37378	12.4325	14.4354	0.02393	0.53897	2.76488	3.30385	0.49585	1.33605	1.83190	—	2,493.82	2,493.82	0.10116	0.02023	0.00000	2,502.37
2028	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	0.00000	0.28471	0.26194	0.00000	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	0.00000	2,208.97
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	0.15974	0.22042	0.05582	0.02419	0.08001	—	297.712	297.712	0.01208	0.00242	0.00000	298.734
2027	0.93285	0.77963	6.74702	8.21394	0.01515	0.24167	0.26915	0.51081	0.22233	0.11616	0.33849	—	1,488.47	1,488.47	0.06038	0.01208	0.00000	1,493.58
2028	3.15161	3.07201	3.38452	4.29167	0.00844	0.10326	0.00000	0.10326	0.09500	0.00000	0.09500	—	800.161	800.161	0.03246	0.00649	0.00000	802.907
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	0.02915	0.04023	0.01019	0.00441	0.01460	—	49.2896	49.2896	0.00200	0.00040	0.00000	49.4588
2027	0.17025	0.14228	1.23133	1.49904	0.00277	0.04410	0.04912	0.09322	0.04058	0.02120	0.06177	—	246.434	246.434	0.01000	0.00200	0.00000	247.280
2028	0.57517	0.56064	0.61768	0.78323	0.00154	0.01884	0.00000	0.01884	0.01734	0.00000	0.01734	—	132.476	132.476	0.00537	0.00107	0.00000	132.930

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.39784	1.16161	2.49783	16.0366	0.01043	0.01043	4.22813	4.23856	0.01043	1.00769	1.01812	—	5,213.94	5,213.94	0.13344	0.34389	15.3138	5,335.06
2028	1.35116	1.12401	2.30900	15.1508	0.01043	0.01043	4.22813	4.23856	0.01043	1.00769	1.01812	—	5,113.36	5,113.36	0.13075	0.22434	13.7057	5,197.19
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.14286	0.05426	1.34554	0.99917	0.00717	0.01366	0.39686	0.41052	0.01366	0.10594	0.11960	—	1,172.98	1,172.98	0.08246	0.17249	0.06612	1,226.51
2027	1.39650	1.15120	2.59096	14.1747	0.01043	0.01434	4.22813	4.23856	0.01434	1.00769	1.01812	—	5,034.02	5,034.02	0.14116	0.34389	0.39787	5,140.43
2028	1.33940	1.11495	2.51262	13.3799	0.01043	0.01043	4.22813	4.23856	0.01043	1.00769	1.01812	—	4,936.89	4,936.89	0.14116	0.34389	0.35503	5,043.25
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01714	0.00649	0.16242	0.12076	0.00086	0.00163	0.04693	0.04856	0.00163	0.01254	0.01417	—	140.177	140.177	0.00988	0.02059	0.13144	146.692
2027	0.68663	0.56272	1.45717	7.20121	0.00584	0.00661	2.06604	2.07265	0.00661	0.49341	0.50002	—	2,586.23	2,586.23	0.07759	0.18573	3.31186	2,646.83
2028	0.51056	0.42708	0.91680	5.25761	0.00371	0.00371	1.58087	1.58459	0.00371	0.37620	0.37992	—	1,861.39	1,861.39	0.05181	0.12602	2.22151	1,902.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00313	0.00118	0.02964	0.02204	0.00016	0.00030	0.00857	0.00886	0.00030	0.00229	0.00259	—	23.2080	23.2080	0.00164	0.00341	0.02176	24.2865
2027	0.12531	0.10270	0.26593	1.31422	0.00107	0.00121	0.37705	0.37826	0.00121	0.09005	0.09125	—	428.180	428.180	0.01285	0.03075	0.54832	438.213
2028	0.09318	0.07794	0.16732	0.95951	0.00068	0.00068	0.28851	0.28919	0.00068	0.06866	0.06933	—	308.174	308.174	0.00858	0.02086	0.36780	314.974

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.86533	7.59746	1.10608	41.9654	0.02675	0.02961	2.48853	2.51814	0.02488	0.63164	0.65653	268.675	4,745.41	5,014.09	27.2738	0.22354	7.27867	5,769.83
Mit.	7.57993	7.33617	0.93025	39.8726	0.02118	0.02643	1.94111	1.96754	0.02192	0.49270	0.51462	268.675	4,145.53	4,414.20	27.2460	0.20144	5.67753	5,161.06

% Reduced	4%	3%	16%	5%	21%	11%	22%	22%	12%	22%	22%	—	13%	12%	< 0.5%	10%	22%	11%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.87575	4.76461	0.86807	8.88413	0.02437	0.01445	2.48853	2.50298	0.01346	0.63164	0.64510	268.675	4,559.99	4,828.66	27.2749	0.22732	0.18873	5,578.47
Mit.	4.59209	4.50540	0.67712	6.92983	0.01901	0.01127	1.94111	1.95238	0.01050	0.49270	0.50320	268.675	3,981.84	4,250.52	27.2461	0.20423	0.14721	4,992.68
% Reduced	6%	5%	22%	22%	22%	22%	22%	22%	22%	22%	22%	—	13%	12%	< 0.5%	10%	22%	11%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.90902	6.68969	1.08608	31.3143	0.02560	0.02483	2.46108	2.48592	0.02129	0.62478	0.64607	268.675	4,645.96	4,914.64	27.2766	0.22808	3.14287	5,667.67
Mit.	6.62733	6.43240	0.89339	29.3153	0.02018	0.02166	1.91970	1.94136	0.01833	0.48734	0.50567	268.675	4,061.95	4,330.63	27.2479	0.20493	2.45151	5,075.35
% Reduced	4%	4%	18%	6%	21%	13%	22%	22%	14%	22%	22%	—	13%	12%	< 0.5%	10%	22%	10%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.26090	1.22087	0.19821	5.71485	0.00467	0.00453	0.44915	0.45368	0.00388	0.11402	0.11791	44.4822	769.192	813.675	4.51596	0.03776	0.52034	938.347
Mit.	1.20949	1.17391	0.16304	5.35005	0.00368	0.00395	0.35035	0.35430	0.00334	0.08894	0.09228	44.4822	672.503	716.985	4.51120	0.03393	0.40588	840.282
% Reduced	4%	4%	18%	6%	21%	13%	22%	22%	14%	22%	22%	—	13%	12%	< 0.5%	10%	22%	10%

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29743	1.18781	0.79931	9.51367	0.02535	0.01444	2.48853	2.50297	0.01345	0.63164	0.64510	—	2,588.62	2,588.62	0.11332	0.09887	7.27867	2,628.20
Area	6.56790	6.40965	0.30677	32.4517	0.00141	0.01517	—	0.01517	0.01143	—	0.01143	—	86.6134	86.6134	0.00362	0.00072	—	86.9181
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,930.87	1,930.87	0.18405	0.02231	—	1,942.12

Water	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Waste	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Total	7.86533	7.59746	1.10608	41.9654	0.02675	0.02961	2.48853	2.51814	0.02488	0.63164	0.65653	268.675	4,745.41	5,014.09	27.2738	0.22354	7.27867	5,769.83
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.28950	1.17836	0.86807	8.88413	0.02437	0.01445	2.48853	2.50298	0.01346	0.63164	0.64510	—	2,489.81	2,489.81	0.11805	0.10337	0.18873	2,523.76
Area	3.58625	3.58625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,930.87	1,930.87	0.18405	0.02231	—	1,942.12
Water	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Waste	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Total	4.87575	4.76461	0.86807	8.88413	0.02437	0.01445	2.48853	2.50298	0.01346	0.63164	0.64510	268.675	4,559.99	4,828.66	27.2749	0.22732	0.18873	5,578.47
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.28055	1.16961	0.87596	9.08708	0.02463	0.01444	2.46108	2.47553	0.01346	0.62478	0.63824	—	2,516.47	2,516.47	0.11726	0.10364	3.14287	2,553.42
Area	5.62848	5.52008	0.21012	22.2272	0.00096	0.01039	—	0.01039	0.00783	—	0.00783	—	59.3243	59.3243	0.00248	0.00049	—	59.5329
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,930.87	1,930.87	0.18405	0.02231	—	1,942.12
Water	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Waste	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Total	6.90902	6.68969	1.08608	31.3143	0.02560	0.02483	2.46108	2.48592	0.02129	0.62478	0.64607	268.675	4,645.96	4,914.64	27.2766	0.22808	3.14287	5,667.67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.23370	0.21345	0.15986	1.65839	0.00450	0.00264	0.44915	0.45178	0.00246	0.11402	0.11648	—	416.630	416.630	0.01941	0.01716	0.52034	422.749
Area	1.02720	1.00741	0.03835	4.05646	0.00018	0.00190	—	0.00190	0.00143	—	0.00143	—	9.82181	9.82181	0.00041	0.00008	—	9.85636
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	319.677	319.677	0.03047	0.00369	—	321.540
Water	—	—	—	—	—	—	—	—	—	—	—	6.79786	23.0639	29.8617	0.69924	0.01683	—	52.3575
Waste	—	—	—	—	—	—	—	—	—	—	—	37.6844	0.00000	37.6844	3.76642	0.00000	—	131.845
Total	1.26090	1.22087	0.19821	5.71485	0.00467	0.00453	0.44915	0.45368	0.00388	0.11402	0.11791	44.4822	769.192	813.675	4.51596	0.03776	0.52034	938.347

2.5. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.01203	0.92652	0.62348	7.42088	0.01977	0.01126	1.94111	1.95237	0.01049	0.49270	0.50319	—	2,019.19	2,019.19	0.08839	0.07712	5.67753	2,050.06
Area	6.56790	6.40965	0.30677	32.4517	0.00141	0.01517	—	0.01517	0.01143	—	0.01143	—	86.6134	86.6134	0.00362	0.00072	—	86.9181
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,900.42	1,900.42	0.18115	0.02196	—	1,911.49
Water	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Waste	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Total	7.57993	7.33617	0.93025	39.8726	0.02118	0.02643	1.94111	1.96754	0.02192	0.49270	0.51462	268.675	4,145.53	4,414.20	27.2460	0.20144	5.67753	5,161.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.00584	0.91915	0.67712	6.92983	0.01901	0.01127	1.94111	1.95238	0.01050	0.49270	0.50320	—	1,942.11	1,942.11	0.09208	0.08063	0.14721	1,968.59
Area	3.58625	3.58625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,900.42	1,900.42	0.18115	0.02196	—	1,911.49
Water	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Waste	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Total	4.59209	4.50540	0.67712	6.92983	0.01901	0.01127	1.94111	1.95238	0.01050	0.49270	0.50320	268.675	3,981.84	4,250.52	27.2461	0.20423	0.14721	4,992.68
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.99886	0.91232	0.68327	7.08813	0.01921	0.01127	1.91970	1.93097	0.01050	0.48734	0.49784	—	1,962.90	1,962.90	0.09146	0.08084	2.45151	1,991.73
Area	5.62848	5.52008	0.21012	22.2272	0.00096	0.01039	—	0.01039	0.00783	—	0.00783	—	59.3243	59.3243	0.00248	0.00049	—	59.5329
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	1,900.42	1,900.42	0.18115	0.02196	—	1,911.49
Water	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Waste	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Total	6.62733	6.43240	0.89339	29.3153	0.02018	0.02166	1.91970	1.94136	0.01833	0.48734	0.50567	268.675	4,061.95	4,330.63	27.2479	0.20493	2.45151	5,075.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.18229	0.16650	0.12470	1.29358	0.00351	0.00206	0.35035	0.35240	0.00192	0.08894	0.09086	—	324.981	324.981	0.01514	0.01338	0.40588	329.754

Area	1.02720	1.00741	0.03835	4.05646	0.00018	0.00190	—	0.00190	0.00143	—	0.00143	—	9.82181	9.82181	0.00041	0.00008	—	9.85636
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	314.636	314.636	0.02999	0.00364	—	316.470
Water	—	—	—	—	—	—	—	—	—	—	—	6.79786	23.0639	29.8617	0.69924	0.01683	—	52.3575
Waste	—	—	—	—	—	—	—	—	—	—	—	37.6844	0.00000	37.6844	3.76642	0.00000	—	131.845
Total	1.20949	1.17391	0.16304	5.35005	0.00368	0.00395	0.35035	0.35430	0.00334	0.08894	0.09228	44.4822	672.503	716.985	4.51120	0.03393	0.40588	840.282

3. Construction Emissions Details

3.1. Demolition (2026)

3.1.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	1.33813	1.33813	—	0.20263	0.20263	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	—	0.06068	0.05582	—	0.05582	—	297.712	297.712	0.01208	0.00242	—	298.734

Demoliti	—	—	—	—	—	—	0.15974	0.15974	—	0.02419	0.02419	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	—	0.01107	0.01019	—	0.01019	—	49.2896	49.2896	0.00200	0.00040	—	49.4588
Demolition	—	—	—	—	—	—	0.02915	0.02915	—	0.00441	0.00441	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04006	0.03924	0.03344	0.43362	0.00000	0.00000	0.11649	0.11649	0.00000	0.02731	0.02731	—	111.057	111.057	0.00220	0.00446	0.01045	112.452
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.10280	0.01503	1.31210	0.56555	0.00717	0.01366	0.28037	0.29403	0.01366	0.07863	0.09229	—	1,061.92	1,061.92	0.08026	0.16803	0.05567	1,114.06
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00478	0.00465	0.00399	0.05357	0.00000	0.00000	0.01375	0.01375	0.00000	0.00322	0.00322	—	13.4376	13.4376	0.00026	0.00053	0.02079	13.6237
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01235	0.00183	0.15842	0.06719	0.00086	0.00163	0.03318	0.03481	0.00163	0.00931	0.01095	—	126.740	126.740	0.00962	0.02006	0.11065	133.068
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00087	0.00085	0.00073	0.00978	0.00000	0.00000	0.00251	0.00251	0.00000	0.00059	0.00059	—	2.22474	2.22474	0.00004	0.00009	0.00344	2.25555

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00225	0.00033	0.02891	0.01226	0.00016	0.00030	0.00606	0.00635	0.00030	0.00170	0.00200	—	20.9832	20.9832	0.00159	0.00332	0.01832	22.0310

3.1.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	1.33813	1.33813	—	0.20263	0.20263	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19809	0.16610	1.54486	1.74481	0.00286	0.06068	—	0.06068	0.05582	—	0.05582	—	297.712	297.712	0.01208	0.00242	—	298.734
Demolition	—	—	—	—	—	—	0.15974	0.15974	—	0.02419	0.02419	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03615	0.03031	0.28194	0.31843	0.00052	0.01107	—	0.01107	0.01019	—	0.01019	—	49.2896	49.2896	0.00200	0.00040	—	49.4588

Demoliti	—	—	—	—	—	—	0.02915	0.02915	—	0.00441	0.00441	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04006	0.03924	0.03344	0.43362	0.00000	0.00000	0.11649	0.11649	0.00000	0.02731	0.02731	—	111.057	111.057	0.00220	0.00446	0.01045	112.452
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.10280	0.01503	1.31210	0.56555	0.00717	0.01366	0.28037	0.29403	0.01366	0.07863	0.09229	—	1,061.92	1,061.92	0.08026	0.16803	0.05567	1,114.06
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00478	0.00465	0.00399	0.05357	0.00000	0.00000	0.01375	0.01375	0.00000	0.00322	0.00322	—	13.4376	13.4376	0.00026	0.00053	0.02079	13.6237
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01235	0.00183	0.15842	0.06719	0.00086	0.00163	0.03318	0.03481	0.00163	0.00931	0.01095	—	126.740	126.740	0.00962	0.02006	0.11065	133.068
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00087	0.00085	0.00073	0.00978	0.00000	0.00000	0.00251	0.00251	0.00000	0.00059	0.00059	—	2.22474	2.22474	0.00004	0.00009	0.00344	2.25555
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00225	0.00033	0.02891	0.01226	0.00016	0.00030	0.00606	0.00635	0.00030	0.00170	0.00200	—	20.9832	20.9832	0.00159	0.00332	0.01832	22.0310

3.2. Demolition (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60361	1.34471	12.4325	14.4354	0.02393	0.47032	—	0.47032	0.43270	—	0.43270	—	2,493.82	2,493.82	0.10116	0.02023	—	2,502.37
Demolition	—	—	—	—	—	—	1.33813	1.33813	—	0.20263	0.20263	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05021	0.04210	0.38928	0.45199	0.00075	0.01473	—	0.01473	0.01355	—	0.01355	—	78.0843	78.0843	0.00317	0.00063	—	78.3522
Demolition	—	—	—	—	—	—	0.04190	0.04190	—	0.00634	0.00634	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00916	0.00768	0.07104	0.08249	0.00014	0.00269	—	0.00269	0.00247	—	0.00247	—	12.9277	12.9277	0.00052	0.00010	—	12.9721
Demolition	—	—	—	—	—	—	0.00765	0.00765	—	0.00116	0.00116	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03869	0.03395	0.02953	0.40574	0.00000	0.00000	0.11649	0.11649	0.00000	0.02731	0.02731	—	109.187	109.187	0.00193	0.00446	0.00941	110.574
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.09562	0.01469	1.27590	0.55189	0.00717	0.01366	0.28037	0.29403	0.01366	0.07863	0.09229	—	1,041.35	1,041.35	0.08026	0.16803	0.05138	1,093.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00120	0.00106	0.00103	0.01319	0.00000	0.00000	0.00361	0.00361	0.00000	0.00084	0.00084	—	3.46516	3.46516	0.00006	0.00014	0.00490	3.51320
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00303	0.00048	0.04020	0.01719	0.00022	0.00043	0.00870	0.00913	0.00043	0.00244	0.00287	—	32.5989	32.5989	0.00251	0.00526	0.02679	34.2563
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00019	0.00019	0.00241	0.00000	0.00000	0.00066	0.00066	0.00000	0.00015	0.00015	—	0.57370	0.57370	0.00001	0.00002	0.00081	0.58165
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00055	0.00009	0.00734	0.00314	0.00004	0.00008	0.00159	0.00167	0.00008	0.00045	0.00052	—	5.39712	5.39712	0.00042	0.00087	0.00444	5.67152

3.2.3. Onsite - Mitigated

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

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

Off-Road Equipment	1.60361	1.34471	12.4325	14.4354	0.02393	0.47032	—	0.47032	0.43270	—	0.43270	—	2,493.82	2,493.82	0.10116	0.02023	—	2,502.37
Demolition	—	—	—	—	—	—	1.33813	1.33813	—	0.20263	0.20263	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05021	0.04210	0.38928	0.45199	0.00075	0.01473	—	0.01473	0.01355	—	0.01355	—	78.0843	78.0843	0.00317	0.00063	—	78.3522
Demolition	—	—	—	—	—	—	0.04190	0.04190	—	0.00634	0.00634	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00916	0.00768	0.07104	0.08249	0.00014	0.00269	—	0.00269	0.00247	—	0.00247	—	12.9277	12.9277	0.00052	0.00010	—	12.9721
Demolition	—	—	—	—	—	—	0.00765	0.00765	—	0.00116	0.00116	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

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

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

Worker	0.03869	0.03395	0.02953	0.40574	0.00000	0.00000	0.11649	0.11649	0.00000	0.02731	0.02731	—	109.187	109.187	0.00193	0.00446	0.00941	110.574
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.09562	0.01469	1.27590	0.55189	0.00717	0.01366	0.28037	0.29403	0.01366	0.07863	0.09229	—	1,041.35	1,041.35	0.08026	0.16803	0.05138	1,093.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00120	0.00106	0.00103	0.01319	0.00000	0.00000	0.00361	0.00361	0.00000	0.00084	0.00084	—	3.46516	3.46516	0.00006	0.00014	0.00490	3.51320
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00303	0.00048	0.04020	0.01719	0.00022	0.00043	0.00870	0.00913	0.00043	0.00244	0.00287	—	32.5989	32.5989	0.00251	0.00526	0.02679	34.2563
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00019	0.00019	0.00241	0.00000	0.00000	0.00066	0.00066	0.00000	0.00015	0.00015	—	0.57370	0.57370	0.00001	0.00002	0.00081	0.58165
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00055	0.00009	0.00734	0.00314	0.00004	0.00008	0.00159	0.00167	0.00008	0.00045	0.00052	—	5.39712	5.39712	0.00042	0.00087	0.00444	5.67152

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	2.76488	2.76488	—	1.33605	1.33605	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13438	0.11291	1.00120	1.13981	0.00186	0.04430	—	0.04430	0.04075	—	0.04075	—	201.818	201.818	0.00819	0.00164	—	202.511
Dust From Material Movement	—	—	—	—	—	—	0.22725	0.22725	—	0.10981	0.10981	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02452	0.02061	0.18272	0.20802	0.00034	0.00808	—	0.00808	0.00744	—	0.00744	—	33.4133	33.4133	0.00136	0.00027	—	33.5280
Dust From Material Movement	—	—	—	—	—	—	0.04147	0.04147	—	0.02004	0.02004	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03095	0.02716	0.02362	0.32460	0.00000	0.00000	0.09319	0.09319	0.00000	0.02184	0.02184	—	87.3496	87.3496	0.00154	0.00357	0.00753	88.4594

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.10041	0.01542	1.33980	0.57953	0.00753	0.01434	0.29441	0.30876	0.01434	0.08257	0.09691	—	1,093.50	1,093.50	0.08428	0.17644	0.05395	1,148.24
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00253	0.00223	0.00216	0.02769	0.00000	0.00000	0.00758	0.00758	0.00000	0.00177	0.00177	—	7.27683	7.27683	0.00013	0.00029	0.01029	7.37771
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00834	0.00133	0.11080	0.04740	0.00062	0.00118	0.02399	0.02517	0.00118	0.00673	0.00791	—	89.8573	89.8573	0.00693	0.01450	0.07385	94.4259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00046	0.00041	0.00039	0.00505	0.00000	0.00000	0.00138	0.00138	0.00000	0.00032	0.00032	—	1.20476	1.20476	0.00002	0.00005	0.00170	1.22146
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00152	0.00024	0.02022	0.00865	0.00011	0.00022	0.00438	0.00459	0.00022	0.00123	0.00144	—	14.8769	14.8769	0.00115	0.00240	0.01223	15.6333

3.3.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63491	1.37378	12.1813	13.8677	0.02267	0.53897	—	0.53897	0.49585	—	0.49585	—	2,455.46	2,455.46	0.09960	0.01992	—	2,463.88
Dust From Material Movement	—	—	—	—	—	—	2.76488	2.76488	—	1.33605	1.33605	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.13438	0.11291	1.00120	1.13981	0.00186	0.04430	—	0.04430	0.04075	—	0.04075	—	201.818	201.818	0.00819	0.00164	—	202.511
Dust From Material Movement	—	—	—	—	—	—	0.22725	0.22725	—	0.10981	0.10981	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02452	0.02061	0.18272	0.20802	0.00034	0.00808	—	0.00808	0.00744	—	0.00744	—	33.4133	33.4133	0.00136	0.00027	—	33.5280
Dust From Material Movement	—	—	—	—	—	—	0.04147	0.04147	—	0.02004	0.02004	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03095	0.02716	0.02362	0.32460	0.00000	0.00000	0.09319	0.09319	0.00000	0.02184	0.02184	—	87.3496	87.3496	0.00154	0.00357	0.00753	88.4594
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.10041	0.01542	1.33980	0.57953	0.00753	0.01434	0.29441	0.30876	0.01434	0.08257	0.09691	—	1,093.50	1,093.50	0.08428	0.17644	0.05395	1,148.24
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00253	0.00223	0.00216	0.02769	0.00000	0.00000	0.00758	0.00758	0.00000	0.00177	0.00177	—	7.27683	7.27683	0.00013	0.00029	0.01029	7.37771
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00834	0.00133	0.11080	0.04740	0.00062	0.00118	0.02399	0.02517	0.00118	0.00673	0.00791	—	89.8573	89.8573	0.00693	0.01450	0.07385	94.4259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00046	0.00041	0.00039	0.00505	0.00000	0.00000	0.00138	0.00138	0.00000	0.00032	0.00032	—	1.20476	1.20476	0.00002	0.00005	0.00170	1.22146
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00152	0.00024	0.02022	0.00865	0.00011	0.00022	0.00438	0.00459	0.00022	0.00123	0.00144	—	14.8769	14.8769	0.00115	0.00240	0.01223	15.6333

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.64938	0.54105	4.64881	5.61117	0.01108	0.15426	—	0.15426	0.14192	—	0.14192	—	1,055.22	1,055.22	0.04280	0.00856	—	1,058.84
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11851	0.09874	0.84841	1.02404	0.00202	0.02815	—	0.02815	0.02590	—	0.02590	—	174.704	174.704	0.00709	0.00142	—	175.303
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27235	1.12561	0.94389	15.2282	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,772.02	3,772.02	0.05438	0.14674	11.8985	3,829.01
Vendor	0.12549	0.03600	1.55395	0.80843	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,441.92	1,441.92	0.07906	0.19714	3.41524	1,506.06
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27235	1.11655	0.97108	13.3448	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,591.12	3,591.12	0.06345	0.14674	0.30943	3,636.74
Vendor	0.12414	0.03465	1.61989	0.82996	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,442.90	1,442.90	0.07771	0.19714	0.08844	1,503.68
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60569	0.53533	0.51856	6.64131	0.00000	0.00000	1.81664	1.81664	0.00000	0.42550	0.42550	—	1,745.13	1,745.13	0.03042	0.07035	2.46715	1,769.32
Vendor	0.06016	0.01726	0.77956	0.39212	0.00500	0.00500	0.18848	0.19348	0.00500	0.05212	0.05712	—	691.529	691.529	0.03726	0.09452	0.70575	721.334
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11054	0.09770	0.09464	1.21204	0.00000	0.00000	0.33154	0.33154	0.00000	0.07765	0.07765	—	288.926	288.926	0.00504	0.01165	0.40846	292.932
Vendor	0.01098	0.00315	0.14227	0.07156	0.00091	0.00091	0.03440	0.03531	0.00091	0.00951	0.01042	—	114.491	114.491	0.00617	0.01565	0.11684	119.425
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64938	0.54105	4.64881	5.61117	0.01108	0.15426	—	0.15426	0.14192	—	0.14192	—	1,055.22	1,055.22	0.04280	0.00856	—	1,058.84
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11851	0.09874	0.84841	1.02404	0.00202	0.02815	—	0.02815	0.02590	—	0.02590	—	174.704	174.704	0.00709	0.00142	—	175.303
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27235	1.12561	0.94389	15.2282	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,772.02	3,772.02	0.05438	0.14674	11.8985	3,829.01
Vendor	0.12549	0.03600	1.55395	0.80843	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,441.92	1,441.92	0.07906	0.19714	3.41524	1,506.06
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27235	1.11655	0.97108	13.3448	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,591.12	3,591.12	0.06345	0.14674	0.30943	3,636.74
Vendor	0.12414	0.03465	1.61989	0.82996	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,442.90	1,442.90	0.07771	0.19714	0.08844	1,503.68
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60569	0.53533	0.51856	6.64131	0.00000	0.00000	1.81664	1.81664	0.00000	0.42550	0.42550	—	1,745.13	1,745.13	0.03042	0.07035	2.46715	1,769.32
Vendor	0.06016	0.01726	0.77956	0.39212	0.00500	0.00500	0.18848	0.19348	0.00500	0.05212	0.05712	—	691.529	691.529	0.03726	0.09452	0.70575	721.334
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11054	0.09770	0.09464	1.21204	0.00000	0.00000	0.33154	0.33154	0.00000	0.07765	0.07765	—	288.926	288.926	0.00504	0.01165	0.40846	292.932
Vendor	0.01098	0.00315	0.14227	0.07156	0.00091	0.00091	0.03440	0.03531	0.00091	0.00951	0.01042	—	114.491	114.491	0.00617	0.01565	0.11684	119.425

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46101	0.38412	3.28710	4.15685	0.00823	0.10140	—	0.10140	0.09329	—	0.09329	—	784.066	784.066	0.03181	0.00636	—	786.756
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.08413	0.07010	0.59990	0.75863	0.00150	0.01851	—	0.01851	0.01703	—	0.01703	—	129.811	129.811	0.00527	0.00105	—	130.256
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23610	1.08936	0.81527	14.3659	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,704.71	3,704.71	0.05438	0.02719	10.6334	3,724.80
Vendor	0.11506	0.03465	1.49373	0.78488	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,408.66	1,408.66	0.07637	0.19714	3.07223	1,472.39
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22704	1.08030	0.95295	12.5748	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,527.21	3,527.21	0.06345	0.14674	0.27524	3,572.80
Vendor	0.11237	0.03465	1.55967	0.80506	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,409.68	1,409.68	0.07771	0.19714	0.07979	1,470.46
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44025	0.38799	0.33941	4.65931	0.00000	0.00000	1.34951	1.34951	0.00000	0.31609	0.31609	—	1,273.33	1,273.33	0.02260	0.05226	1.63790	1,291.11
Vendor	0.04050	0.01282	0.55442	0.28290	0.00371	0.00371	0.14001	0.14373	0.00371	0.03872	0.04243	—	501.868	501.868	0.02768	0.07022	0.47274	523.957
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08035	0.07081	0.06194	0.85032	0.00000	0.00000	0.24629	0.24629	0.00000	0.05769	0.05769	—	210.814	210.814	0.00374	0.00865	0.27117	213.757
Vendor	0.00739	0.00234	0.10118	0.05163	0.00068	0.00068	0.02555	0.02623	0.00068	0.00707	0.00774	—	83.0900	83.0900	0.00458	0.01163	0.07827	86.7471
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29438	1.07850	9.22917	11.6712	0.02312	0.28471	—	0.28471	0.26194	—	0.26194	—	2,201.41	2,201.41	0.08930	0.01786	—	2,208.97
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46101	0.38412	3.28710	4.15685	0.00823	0.10140	—	0.10140	0.09329	—	0.09329	—	784.066	784.066	0.03181	0.00636	—	786.756
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08413	0.07010	0.59990	0.75863	0.00150	0.01851	—	0.01851	0.01703	—	0.01703	—	129.811	129.811	0.00527	0.00105	—	130.256
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23610	1.08936	0.81527	14.3659	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,704.71	3,704.71	0.05438	0.02719	10.6334	3,724.80
Vendor	0.11506	0.03465	1.49373	0.78488	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,408.66	1,408.66	0.07637	0.19714	3.07223	1,472.39
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22704	1.08030	0.95295	12.5748	0.00000	0.00000	3.83132	3.83132	0.00000	0.89806	0.89806	—	3,527.21	3,527.21	0.06345	0.14674	0.27524	3,572.80
Vendor	0.11237	0.03465	1.55967	0.80506	0.01043	0.01043	0.39681	0.40724	0.01043	0.10963	0.12006	—	1,409.68	1,409.68	0.07771	0.19714	0.07979	1,470.46
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44025	0.38799	0.33941	4.65931	0.00000	0.00000	1.34951	1.34951	0.00000	0.31609	0.31609	—	1,273.33	1,273.33	0.02260	0.05226	1.63790	1,291.11
Vendor	0.04050	0.01282	0.55442	0.28290	0.00371	0.00371	0.14001	0.14373	0.00371	0.03872	0.04243	—	501.868	501.868	0.02768	0.07022	0.47274	523.957
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08035	0.07081	0.06194	0.85032	0.00000	0.00000	0.24629	0.24629	0.00000	0.05769	0.05769	—	210.814	210.814	0.00374	0.00865	0.27117	213.757
Vendor	0.00739	0.00234	0.10118	0.05163	0.00068	0.00068	0.02555	0.02623	0.00068	0.00707	0.00774	—	83.0900	83.0900	0.00458	0.01163	0.07827	86.7471
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Paving (2027)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77224	0.64798	5.74049	8.20011	0.01181	0.23023	—	0.23023	0.21181	—	0.21181	—	1,243.85	1,243.85	0.05046	0.01009	—	1,248.12
Paving	0.02981	0.02981	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77224	0.64798	5.74049	8.20011	0.01181	0.23023	—	0.23023	0.21181	—	0.21181	—	1,243.85	1,243.85	0.05046	0.01009	—	1,248.12
Paving	0.02981	0.02981	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09521	0.07989	0.70773	1.01097	0.00146	0.02838	—	0.02838	0.02611	—	0.02611	—	153.352	153.352	0.00622	0.00124	—	153.878
Paving	0.00367	0.00367	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01738	0.01458	0.12916	0.18450	0.00027	0.00518	—	0.00518	0.00477	—	0.00477	—	25.3891	25.3891	0.00103	0.00021	—	25.4763
Paving	0.00067	0.00067	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.6.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04642	0.04107	0.03444	0.55561	0.00000	0.00000	0.13979	0.13979	0.00000	0.03277	0.03277	—	137.625	137.625	0.00198	0.00535	0.43413	139.704
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04642	0.04074	0.03543	0.48689	0.00000	0.00000	0.13979	0.13979	0.00000	0.03277	0.03277	—	131.024	131.024	0.00231	0.00535	0.01129	132.689
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00568	0.00502	0.00487	0.06231	0.00000	0.00000	0.01704	0.01704	0.00000	0.00399	0.00399	—	16.3729	16.3729	0.00029	0.00066	0.02315	16.5999
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00104	0.00092	0.00089	0.01137	0.00000	0.00000	0.00311	0.00311	0.00000	0.00073	0.00073	—	2.71072	2.71072	0.00005	0.00011	0.00383	2.74830
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77224	0.64798	5.74049	8.20011	0.01181	0.23023	—	0.23023	0.21181	—	0.21181	—	1,243.85	1,243.85	0.05046	0.01009	—	1,248.12
Paving	0.02981	0.02981	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77224	0.64798	5.74049	8.20011	0.01181	0.23023	—	0.23023	0.21181	—	0.21181	—	1,243.85	1,243.85	0.05046	0.01009	—	1,248.12
Paving	0.02981	0.02981	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09521	0.07989	0.70773	1.01097	0.00146	0.02838	—	0.02838	0.02611	—	0.02611	—	153.352	153.352	0.00622	0.00124	—	153.878
Paving	0.00367	0.00367	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01738	0.01458	0.12916	0.18450	0.00027	0.00518	—	0.00518	0.00477	—	0.00477	—	25.3891	25.3891	0.00103	0.00021	—	25.4763
Paving	0.00067	0.00067	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.6.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04642	0.04107	0.03444	0.55561	0.00000	0.00000	0.13979	0.13979	0.00000	0.03277	0.03277	—	137.625	137.625	0.00198	0.00535	0.43413	139.704
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04642	0.04074	0.03543	0.48689	0.00000	0.00000	0.13979	0.13979	0.00000	0.03277	0.03277	—	131.024	131.024	0.00231	0.00535	0.01129	132.689
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00568	0.00502	0.00487	0.06231	0.00000	0.00000	0.01704	0.01704	0.00000	0.00399	0.00399	—	16.3729	16.3729	0.00029	0.00066	0.02315	16.5999
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00104	0.00092	0.00089	0.01137	0.00000	0.00000	0.00311	0.00311	0.00000	0.00073	0.00073	—	2.71072	2.71072	0.00005	0.00011	0.00383	2.74830
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	22.1899	22.1899	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01565	0.01294	0.09742	0.13481	0.00021	0.00185	—	0.00185	0.00170	—	0.00170	—	16.0952	16.0952	0.00065	0.00013	—	16.1504
Architectural Coatings	2.67495	2.67495	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00286	0.00236	0.01778	0.02460	0.00004	0.00034	—	0.00034	0.00031	—	0.00031	—	2.66474	2.66474	0.00011	0.00002	—	2.67389

Architect Coatings	0.48818	0.48818	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24722	0.21787	0.16305	2.87318	0.00000	0.00000	0.76626	0.76626	0.00000	0.17961	0.17961	—	740.941	740.941	0.01088	0.00544	2.12669	744.960
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02980	0.02626	0.02298	0.31540	0.00000	0.00000	0.09135	0.09135	0.00000	0.02140	0.02140	—	86.1945	86.1945	0.00153	0.00354	0.11087	87.3979
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00544	0.00479	0.00419	0.05756	0.00000	0.00000	0.01667	0.01667	0.00000	0.00390	0.00390	—	14.2705	14.2705	0.00025	0.00059	0.01836	14.4697
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	22.1899	22.1899	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01565	0.01294	0.09742	0.13481	0.00021	0.00185	—	0.00185	0.00170	—	0.00170	—	16.0952	16.0952	0.00065	0.00013	—	16.1504
Architectural Coatings	2.67495	2.67495	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00286	0.00236	0.01778	0.02460	0.00004	0.00034	—	0.00034	0.00031	—	0.00031	—	2.66474	2.66474	0.00011	0.00002	—	2.67389
Architectural Coatings	0.48818	0.48818	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.7.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24722	0.21787	0.16305	2.87318	0.00000	0.00000	0.76626	0.76626	0.00000	0.17961	0.17961	—	740.941	740.941	0.01088	0.00544	2.12669	744.960
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02980	0.02626	0.02298	0.31540	0.00000	0.00000	0.09135	0.09135	0.00000	0.02140	0.02140	—	86.1945	86.1945	0.00153	0.00354	0.11087	87.3979
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00544	0.00479	0.00419	0.05756	0.00000	0.00000	0.01667	0.01667	0.00000	0.00390	0.00390	—	14.2705	14.2705	0.00025	0.00059	0.01836	14.4697
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.29743	1.18781	0.79931	9.51367	0.02535	0.01444	2.48853	2.50297	0.01345	0.63164	0.64510	—	2,588.62	2,588.62	0.11332	0.09887	7.27867	2,628.20
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.29743	1.18781	0.79931	9.51367	0.02535	0.01444	2.48853	2.50297	0.01345	0.63164	0.64510	—	2,588.62	2,588.62	0.11332	0.09887	7.27867	2,628.20
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.28950	1.17836	0.86807	8.88413	0.02437	0.01445	2.48853	2.50298	0.01346	0.63164	0.64510	—	2,489.81	2,489.81	0.11805	0.10337	0.18873	2,523.76
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.28950	1.17836	0.86807	8.88413	0.02437	0.01445	2.48853	2.50298	0.01346	0.63164	0.64510	—	2,489.81	2,489.81	0.11805	0.10337	0.18873	2,523.76
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.23370	0.21345	0.15986	1.65839	0.00450	0.00264	0.44915	0.45178	0.00246	0.11402	0.11648	—	416.630	416.630	0.01941	0.01716	0.52034	422.749
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.23370	0.21345	0.15986	1.65839	0.00450	0.00264	0.44915	0.45178	0.00246	0.11402	0.11648	—	416.630	416.630	0.01941	0.01716	0.52034	422.749

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.01203	0.92652	0.62348	7.42088	0.01977	0.01126	1.94111	1.95237	0.01049	0.49270	0.50319	—	2,019.19	2,019.19	0.08839	0.07712	5.67753	2,050.06
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.01203	0.92652	0.62348	7.42088	0.01977	0.01126	1.94111	1.95237	0.01049	0.49270	0.50319	—	2,019.19	2,019.19	0.08839	0.07712	5.67753	2,050.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.00584	0.91915	0.67712	6.92983	0.01901	0.01127	1.94111	1.95238	0.01050	0.49270	0.50320	—	1,942.11	1,942.11	0.09208	0.08063	0.14721	1,968.59
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.00584	0.91915	0.67712	6.92983	0.01901	0.01127	1.94111	1.95238	0.01050	0.49270	0.50320	—	1,942.11	1,942.11	0.09208	0.08063	0.14721	1,968.59
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.18229	0.16650	0.12470	1.29358	0.00351	0.00206	0.35035	0.35240	0.00192	0.08894	0.09086	—	324.981	324.981	0.01514	0.01338	0.40588	329.754
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.18229	0.16650	0.12470	1.29358	0.00351	0.00206	0.35035	0.35240	0.00192	0.08894	0.09086	—	324.981	324.981	0.01514	0.01338	0.40588	329.754

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,912.34	1,912.34	0.18229	0.02210	—	1,923.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.5284	18.5284	0.00177	0.00021	—	18.6364
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,930.87	1,930.87	0.18405	0.02231	—	1,942.12
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,912.34	1,912.34	0.18229	0.02210	—	1,923.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.5284	18.5284	0.00177	0.00021	—	18.6364
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,930.87	1,930.87	0.18405	0.02231	—	1,942.12
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	316.609	316.609	0.03018	0.00366	—	318.454
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.06759	3.06759	0.00029	0.00004	—	3.08546
Total	—	—	—	—	—	—	—	—	—	—	—	—	319.677	319.677	0.03047	0.00369	—	321.540

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	1,881.89	1,881.89	0.17939	0.02174	—	1,892.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.5284	18.5284	0.00177	0.00021	—	18.6364
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,900.42	1,900.42	0.18115	0.02196	—	1,911.49
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,881.89	1,881.89	0.17939	0.02174	—	1,892.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.5284	18.5284	0.00177	0.00021	—	18.6364
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,900.42	1,900.42	0.18115	0.02196	—	1,911.49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	311.569	311.569	0.02970	0.00360	—	313.384
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.06759	3.06759	0.00029	0.00004	—	3.08546
Total	—	—	—	—	—	—	—	—	—	—	—	—	314.636	314.636	0.02999	0.00364	—	316.470

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Product s	3.31875	3.31875	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.26749	0.26749	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipm ent	2.98165	2.82340	0.30677	32.4517	0.00141	0.01517	—	0.01517	0.01143	—	0.01143	—	86.6134	86.6134	0.00362	0.00072	—	86.9181
Total	6.56790	6.40965	0.30677	32.4517	0.00141	0.01517	—	0.01517	0.01143	—	0.01143	—	86.6134	86.6134	0.00362	0.00072	—	86.9181

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.31875	3.31875	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26749	0.26749	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.58625	3.58625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.60567	0.60567	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04882	0.04882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.37271	0.35292	0.03835	4.05646	0.00018	0.00190	—	0.00190	0.00143	—	0.00143	—	9.82181	9.82181	0.00041	0.00008	—	9.85636
Total	1.02720	1.00741	0.03835	4.05646	0.00018	0.00190	—	0.00190	0.00143	—	0.00143	—	9.82181	9.82181	0.00041	0.00008	—	9.85636

4.3.2. Mitigated

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

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

Consumer Products	3.31875	3.31875	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26749	0.26749	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.98165	2.82340	0.30677	32.4517	0.00141	0.01517	—	0.01517	0.01143	—	0.01143	—	86.6134	86.6134	0.00362	0.00072	—	86.9181
Total	6.56790	6.40965	0.30677	32.4517	0.00141	0.01517	—	0.01517	0.01143	—	0.01143	—	86.6134	86.6134	0.00362	0.00072	—	86.9181
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.31875	3.31875	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26749	0.26749	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.58625	3.58625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.60567	0.60567	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04882	0.04882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.37271	0.35292	0.03835	4.05646	0.00018	0.00190	—	0.00190	0.00143	—	0.00143	—	9.82181	9.82181	0.00041	0.00008	—	9.85636

Total	1.02720	1.00741	0.03835	4.05646	0.00018	0.00190	—	0.00190	0.00143	—	0.00143	—	9.82181	9.82181	0.00041	0.00008	—	9.85636
-------	---------	---------	---------	---------	---------	---------	---	---------	---------	---	---------	---	---------	---------	---------	---------	---	---------

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.79786	23.0639	29.8617	0.69924	0.01683	—	52.3575
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	6.79786	23.0639	29.8617	0.69924	0.01683	—	52.3575

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	41.0595	139.307	180.367	4.22346	0.10164	—	316.242
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.79786	23.0639	29.8617	0.69924	0.01683	—	52.3575
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	6.79786	23.0639	29.8617	0.69924	0.01683	—	52.3575

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	37.6844	0.00000	37.6844	3.76642	0.00000	—	131.845
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	37.6844	0.00000	37.6844	3.76642	0.00000	—	131.845

4.5.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	227.616	0.00000	227.616	22.7494	0.00000	—	796.350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	37.6844	0.00000	37.6844	3.76642	0.00000	—	131.845
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	37.6844	0.00000	37.6844	3.76642	0.00000	—	131.845

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

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

4.6.2. Mitigated

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

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

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)

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	11/1/2026	1/16/2027	5.00000	55.0000	—
Grading	Grading	1/17/2027	2/28/2027	5.00000	30.0000	—
Building Construction	Building Construction	5/1/2027	6/30/2028	5.00000	305.000	—
Paving	Paving	3/1/2027	4/30/2027	5.00000	45.0000	—
Architectural Coating	Architectural Coating	7/1/2028	8/31/2028	5.00000	44.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000

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

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000

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

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	13.1900	LDA,LDT1,LDT2
Demolition	Vendor	—	7.75000	HHDT,MHDT
Demolition	Hauling	15.4909	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	13.1900	LDA,LDT1,LDT2
Grading	Vendor	—	7.75000	HHDT,MHDT
Grading	Hauling	16.2667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	411.120	13.1900	LDA,LDT1,LDT2

Building Construction	Vendor	61.0399	7.75000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	13.1900	LDA,LDT1,LDT2
Paving	Vendor	—	7.75000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	82.2240	13.1900	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.75000	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	12.5000	13.1900	LDA,LDT1,LDT2
Demolition	Vendor	—	7.75000	HHDT,MHDT
Demolition	Hauling	15.4909	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	13.1900	LDA,LDT1,LDT2
Grading	Vendor	—	7.75000	HHDT,MHDT
Grading	Hauling	16.2667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	411.120	13.1900	LDA,LDT1,LDT2
Building Construction	Vendor	61.0399	7.75000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	13.1900	LDA,LDT1,LDT2
Paving	Vendor	—	7.75000	HHDT,MHDT

Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	82.2240	13.1900	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.75000	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	313,875	104,625	0.00000	0.00000	1,338.00

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	3,408.00	0.00000
Grading	3,900.00	—	43.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.51194

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	—	0%
Paving	Parking Lot	0.51194	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	346.196	0.03300	0.00400
2027	0.00000	346.196	0.03300	0.00400
2028	0.00000	346.196	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
Apartments Mid Rise	413.176	413.176	413.176	150,809	3,516.83	3,516.83	3,516.83	1,283,642
Parking Lot	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
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Apartments Mid Rise	322.286	322.286	322.286	117,635	2,743.21	2,743.21	2,743.21	1,001,270
Parking Lot	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)
Apartments Mid Rise	Wood Fireplaces	0	0
Apartments Mid Rise	Gas Fireplaces	0	0
Apartments Mid Rise	Propane Fireplaces	0	0
Apartments Mid Rise	Electric Fireplaces	0	0
Apartments Mid Rise	No Fireplaces	0	0
Apartments Mid Rise	Conventional Wood Stoves	0	0
Apartments Mid Rise	Catalytic Wood Stoves	0	0
Apartments Mid Rise	Non-Catalytic Wood Stoves	0	0
Apartments Mid Rise	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

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)
313,875	104,625	0.00000	0.00000	1,338.00

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)
Apartments Mid Rise	2,016,209	346.196	0.0330	0.0040	0.00000
Parking Lot	19,534.8	346.196	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)
Apartments Mid Rise	1,984,110	346.196	0.0330	0.0040	0.00000
Parking Lot	19,534.8	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	21,427,146	190,719
Parking Lot	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	21,427,146	190,719
Parking Lot	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	422.341	0.00000
Parking Lot	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	422.341	0.00000
Parking Lot	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

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
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	—	annual days of extreme heat
Extreme Precipitation	—	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	—	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	56.9633
AQ-PM	53.5905
AQ-DPM	61.8171
Drinking Water	47.2961
Lead Risk Housing	11.2287
Pesticides	5.44828
Toxic Releases	80.1950
Traffic	69.2625
Effect Indicators	—
CleanUp Sites	33.8746
Groundwater	47.4348
Haz Waste Facilities/Generators	83.9444
Impaired Water Bodies	77.2995
Solid Waste	52.8981
Sensitive Population	—
Asthma	0.13709

Cardio-vascular	0.24925
Low Birth Weights	41.4678
Socioeconomic Factor Indicators	—
Education	0.15186
Housing	85.2725
Linguistic	40.8986
Poverty	88.7312
Unemployment	70.9006

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	22.59720262
Employed	14.53868857
Median HI	23.20030797
Education	—
Bachelor's or higher	99.94867189
High school enrollment	100
Preschool enrollment	71.32041576
Transportation	—
Auto Access	18.14448864
Active commuting	98.49865264
Social	—
2-parent households	80.40549211
Voting	2.335429231
Neighborhood	—
Alcohol availability	72.51379443

Park access	43.16694469
Retail density	96.81765687
Supermarket access	50.96881817
Tree canopy	59.16848454
Housing	—
Homeownership	16.06569999
Housing habitability	47.31168998
Low-inc homeowner severe housing cost burden	98.11369177
Low-inc renter severe housing cost burden	23.63659695
Uncrowded housing	75.52932119
Health Outcomes	—
Insured adults	94.73886822
Arthritis	99.5
Asthma ER Admissions	99.7
High Blood Pressure	99.5
Cancer (excluding skin)	99.5
Asthma	46.1
Coronary Heart Disease	99.5
Chronic Obstructive Pulmonary Disease	98.5
Diagnosed Diabetes	99.5
Life Expectancy at Birth	90.7
Cognitively Disabled	74.6
Physically Disabled	99.3
Heart Attack ER Admissions	98.5
Mental Health Not Good	51.7
Chronic Kidney Disease	99.7
Obesity	99.1
Pedestrian Injuries	19.6

Physical Health Not Good	97.7
Stroke	99.6
Health Risk Behaviors	—
Binge Drinking	13.6
Current Smoker	60.5
No Leisure Time for Physical Activity	71.9
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	93.4
Elderly	98.8
English Speaking	61.7
Foreign-born	49.5
Outdoor Workers	91.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	66.4
Traffic Density	63.5
Traffic Access	23.0
Other Indices	—
Hardship	33.3
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0000
Healthy Places Index Score for Project Location (b)	66.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on the updated site plan
Construction: Construction Phases	Construction duration given by the client
Construction: Dust From Material Movement	Grading assumption per client
Operations: Vehicle Data	Total Daily Trips for Site B = 413
Operations: Hearths	SCAQMD rule 445 prohibits permanent installation of wood burning devices.
Operations: Energy Use	Per UC Sustainable practices, new building or major renovation projects must not use onsite fossil fuel combustion (e.g. natural gas) for space and water heating.
Operations: Refrigerants	No refrigerants

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	15.0263	1.50000

Building Area	sq. ft	548,160	155,000
Landscape Area	sq. ft	—	12,040.0

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	Start Date	11/2/2026	11/1/2026
Demolition	Demolition	End Date	11/30/2026	1/16/2027
Demolition	Demolition	Work Days per Phase	20.0000	55.0000
Grading	Grading	Start Date	12/6/2026	1/17/2027
Grading	Grading	End Date	12/14/2026	2/28/2027
Grading	Grading	Work Days per Phase	6.00000	30.0000
Building Construction	Building Construction	Start Date	12/15/2026	5/1/2027
Building Construction	Building Construction	End Date	10/19/2027	6/30/2028
Building Construction	Building Construction	Work Days per Phase	220.000	305.000
Paving	Paving	Start Date	10/20/2027	3/1/2027
Paving	Paving	End Date	11/3/2027	4/30/2027
Paving	Paving	Work Days per Phase	10.00000	45.0000
Architectural Coating	Architectural Coating	Start Date	11/4/2027	7/1/2028
Architectural Coating	Architectural Coating	End Date	11/18/2027	8/31/2028
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	44.0000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Imported	Cubic Yards	—	3,900.00
Grading	Total Acres Graded	acres	30.0000	43.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Weekday Trip Rate	size/day	5.44000	0.72360
Apartments Mid Rise	Saturday Trip Rate	size/day	4.91000	0.72360
Apartments Mid Rise	Sunday Trip Rate	size/day	4.09000	0.72360

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Electricity	kWh/yr	2,093,191	2,016,209
Apartments Mid Rise	Electricity (Subject to Title 24)	kWh/yr	593,285	571,465
Apartments Mid Rise	Electricity (Not Subject to Title 24)	kWh/yr	1,499,906	1,444,743
Apartments Mid Rise	Natural Gas	kBTU/yr	6,342,007	0.00000
Apartments Mid Rise	Natural Gas (Subject to Title 24)	kBTU/yr	5,525,529	0.00000
Apartments Mid Rise	Natural Gas (Not Subject to Title 24)	kBTU/yr	816,478	0.00000

UCI East Campus Phase 5

CalEEMod Assumptions

Land Use

Land Use	Size	Metric
Apartments Mid Rise	1,100	DU
Parking Lot	28.4	KSF
KSF = thousand square feet; DU = dwelling unit		

Construction

Schedule

Phase Name	Start Date	End Date	Workdays
Demolition	11/1/2026	1/16/2027	55
Grading	1/17/2027	2/28/2027	30
Building Construction	5/1/2027	6/30/2028	305
Paving	3/1/2027	4/30/2027	45
Architectural Coating	7/1/2028	8/31/2028	44

Equipment

Construction Phase	Equipment	Number per Day	Hours Per Day
Demolition	Concrete/Industrial Saws	2	8
	Rubber Tired Dozers	2	8
	Tractors/Loaders/Backhoes	6	8
Grading	Graders	2	8
	Rubber Tired Dozers	2	8
	Tractors/Loaders/Backhoes	4	7
Building Construction	Cranes	2	6
	Forklifts	3	6
	Generator Sets	2	8
	Tractors/Loaders/Backhoes	2	6
	Welders	6	8
Paving	Cement and Mortar Mixers	2	6
	Pavers	2	6
	Paving Equipment	2	8
	Rollers	3	7
	Tractors/Loaders/Backhoes	2	8
Architectural Coating	Air Compressors	2	6

Grading/Earthwork

Phase	Import (CY)	Export (CY)	Haul Distance (mi)
Grading	5,320		
CY = cubic yards; mi = miles			

Worker, Vendor, and Haul Trips

Trip Type	# One-Way Trips/Day	Trip Length (miles)
Demolition		
Worker	26	31.7
Vendor	-	18
Hauling	25.3	40
On-Site Truck	-	-
Grading		
Worker	20	31.7
Vendor	-	18
Hauling	22.2	40
On-Site Truck	-	-
Building Construction		
Worker	792	31.7
Vendor	117.6	18
Hauling	0	40
On-Site Truck	-	-
Paving		
Worker	27.5	31.7
Vendor	-	18
Hauling	0	40
On-Site Truck	-	-
Architectural Coating		
Worker	158.4	31.7
Vendor	-	18
Hauling	0	40
On-Site Truck	-	-

Demolition

Phase	Amount (Tons)
Demolition	5,557

Operations**Vehicle Data**

Land Use	Size	Metric	Trip Rate	Daily Trip Generation
Apartments Mid Rise	1,100	DU	0.7236	796
Parking Lot	28.4	KSF	0	0
Total Daily Trips	-	-	-	796
KSF = thousand square feet; DU = dwelling unit				
100% primary trips; trip lengths and trip type distributions are CalEEMod defaults				

Trip Length

Land Use	Trip Length (miles)		
	Non-Res H-W / Res H-W	Non-Res W-O / Res H-S	Non-Res O-O / Res H-O
Apartments Mid Rise	13.97	9.94	6.58
Parking Lot	0	0	0

Trip Purpose and Percent

Land Use	Trip Percent (%)			Trip Purpose (%)		
	Primary	Diverted	Pass-By	Non-Res H-W / Res H-W	Non-Res W-O / Res H-S	Non-Res O-O / Res H-O
Apartments Mid Rise	100	0	0	0	0	0
Parking Lot	100	0	0	47.85	7.27	44.87

Fleet Mix

Land Use	HHD %	LDA %	LDT1 %	LDT2 %	LHD1 %	LHD2 %	MCY %	MDV %	MH %	MHD %	OBUS %	SBUS %	UBUS %
Apartments Mid Rise	0.59	49.24	3.93	23.80	2.81	0.74	2.24	14.55	0.35	1.56	0.06	0.1	0.04
Parking Lot	0.59	49.24	3.93	23.80	2.81	0.74	2.24	14.55	0.35	1.56	0.06	0.1	0.04

** The Project does not include stationary sources.

Quantified Measures

#	Measure	Notes
Transportation		
T-3	Provide Transit-Oriented Development	
Energy		
E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards	

Building Demolition Truck Trip Estimates Based on Square Footage

Building Area (Square Feet):	12,081 ft ²
Building Volume (Cubic Feet):	120,811 ft ³
Waste Volume (Cubic Feet):	30,203 ft ³
Waste Volume (Cubic Yards):	1,119 yd ³
Building Waste (Tons):	559 tons

Total Demo 2,149 tons

1 ft² floor space = 10 ft³ original building volume,
1 ft³ building volume = 0.25 ft³ waste volume,
1 yd³ building waste = 0.5 ton weight,
Mean truck capacity = 20 yd³ haulage volume, and therefore
1 ft² represents 0.046 ton of waste material.

From CalEEMod User's Guide: If the total building waste weight is not known, the program will estimate the tonnage using the *building waste tonnage – structural floor space* relationship determined from a 1976 analysis by Murphy and Chatterjee of the demolition of 12 commercial brick, concrete, and steel buildings.

Source: California Air Pollution Control Officers Association, *CalEEMod User's Guide, Appendix A: Calculation Details* , Page 13, October 2017.
Midwest Research Institute. 1988. Gap Filling PM10 Emission Factors for Selected Open Area Dust Sources.

Pavement Demolition Estimates Based on Square Footage

Pavement Area:	27,414 ft ²
Pavement Thickness:	0.8 feet
Pavement Volume:	21,931 ft ³
Pavement Density:	145 lbs/ft ³
	3,180,009 pounds
	1,590 tons

SCAQMD Localized Significance Thresholds

SRA No.:	20	Central Orange County Coastal
Receptor Dist. 1 (meters):	25	
Receptor Dist. 2 (meters):	50	
Interpolated Distance:	25	
Acres:	2	

Acreage Estimate

Equipment	Acres/8hr Day	Equipment Modeled	Disturbed Acres
Tractors	0.5	0	0
Graders	0.5	2	1
Dozers	0.5	2	1
Scrapers	1	0	0

Total Acres 2

Distance 1 25 meters

Construction LST	NO _x	CO	PM ₁₀	PM _{2.5}
1 Acre	92	647	4	3
1.5 Acres	112	805	6	4
2 Acres	131	962	7	5
2.5 Acres	142	1,087	8	6
3 Acres	153	1,212	9	6
3.5 Acres	164	1,337	11	7
4 Acres	175	1,461	12	8
4.5 Acres	186	1,586	13	8
5 Acres	197	1,711	14	9

Operational LST	NO _x	CO	PM ₁₀	PM _{2.5}
1 Acres	92	647	1	1
1.5 Acres	112	805	2	2
2 Acres	131	962	2	2
2.5 Acres	142	1,087	2	2
3 Acres	153	1,212	3	2
3.5 Acres	164	1,337	3	2
4 Acres	175	1,461	3	2
4.5 Acres	186	1,586	4	2
5 Acres	197	1,711	4	2

Distance 2 50 meters

Construction LST	NO _x	CO	PM ₁₀	PM _{2.5}
1 Acres	93	738	13	5
1.5 Acres	111	914	17	6
2 Acres	128	1,089	21	7
2.5 Acres	138	1,218	25	8
3 Acres	149	1,347	29	8
3.5 Acres	159	1,477	33	9
4 Acres	169	1,606	36	10
4.5 Acres	180	1,735	40	10
5 Acres	190	1,864	44	11

Operational LST	NO _x	CO	PM ₁₀	PM _{2.5}
1 Acres	93	738	4	2
1.5 Acres	111	914	5	2
2 Acres	128	1,089	6	2
2.5 Acres	138	1,218	7	2
3 Acres	149	1,347	8	2
3.5 Acres	159	1,477	9	3
4 Acres	169	1,606	9	3
4.5 Acres	180	1,735	10	3
5 Acres	190	1,864	11	3

Interpolated Dist.**25 meters**

Construction LST	NO_x	CO	PM₁₀	PM_{2.5}
1 Acres	92	647	4	3
1.5 Acres	112	805	6	4
2 Acres	131	962	7	5
2.5 Acres	142	1,087	8	6
3 Acres	153	1,212	9	6
3.5 Acres	164	1,337	11	7
4 Acres	175	1,461	12	8
4.5 Acres	186	1,586	13	8
5 Acres	197	1,711	14	9

Operational LST	NO_x	CO	PM₁₀	PM_{2.5}
1 Acres	92	647	1	1
1.5 Acres	112	805	2	2
2 Acres	131	962	2	2
2.5 Acres	142	1,087	2	2
3 Acres	153	1,212	3	2
3.5 Acres	164	1,337	3	2
4 Acres	175	1,461	3	2
4.5 Acres	186	1,586	4	2
5 Acres	197	1,711	4	2

Below LST	NO_x	CO	PM₁₀	PM_{2.5}	
Construction	131	962	7	5	
Operations	131	962	2	2	
Above LST	NO_x	CO	PM₁₀	PM_{2.5}	
Construction	190	738	44	11	
Operations	190	738	11	3	
NO_x Const. and Ops.	25	50	100	200	500
1	92	93	108	140	219
2	131	128	139	165	165
5	197	190	202	223	223
CO Const. and Ops.	25	50	100	200	500
1	647	738	1090	2096	6841
2	962	1089	1506	2615	7493
5	647	738	1090	2096	6841
PM₁₀ Construction	25	50	100	200	500
1	4	13	27	54	135
2	7	21	35	62	144
5	14	44	57	85	167
PM_{2.5} Construction	25	50	100	200	500
1	3	5	9	22	76
2	5	7	12	26	83
5	9	11	18	35	101

PM₁₀ Operation		25	50	100	200	500
	1	1	4	7	13	33
	2	2	6	9	15	35
	5	4	11	14	21	41

PM_{2.5} Operation		25	50	100	200	500
	1	1	2	3	6	19
	2	2	2	3	7	20
	5	2	3	5	9	25

Construction Fuel Consumption

On-Site Diesel ¹ (off-road construction Equipment)	MTCO ₂ e	Gallons of Fuel ⁴	County Fuel in 2026 (Start of Construction) ⁵	Percent
Demolition	125	12,243		
Site Preparation/Grading	67	6,562		
Infrastructure	556	54,456		
Building Construction	46	4,505		
Paving & Architectural Coating	6	588		
Total	800	78,355	136,337,459	0.0575%

Off-Site Diesel ¹ (on-road construction trips)				
Demolition	46	4,505		
Site Preparation/Grading	22	2,155		
Infrastructure	456	44,662		
Building Construction	0	0		
Paving & Architectural Coating	0	0		
Total	524	51,322	136,337,459	0.0376%

Off-Site Gasoline ²				
Demolition	8	911		
Site Preparation/Grading	3	342		
Infrastructure	1,162	132,346		
Building Construction	6	683		
Paving & Architectural Coating	34	3,872		
Total	1,213	138,155	1,088,796,204	0.0127%

Total Diesel Fuel		129,677	136,337,459	0.0951%
Total Gasoline Fuel		138,155	1,088,796,204	0.0127%
Total Construction Fuel	2,537	267,832		

Construction Phase ³	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2026	99	36	6						
2027	26	10	2				67	22	3
Total	125	46	8	0	0	0	67	22	3

Construction Phase ³	Building Construction			Paving			Architectural Coating & Paving		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2027	319	264	672	46	0	6			
2028	237	192	490				6	0	34
Total	556	456	1,162	46	0	6	6	0	34

Notes:

¹ Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

² Fuel used for worker trips assumed to be gasoline.

³ MTCO₂e rates from CalEEMod (3.0 Construction Details).

⁴ For CO2e emissions, The Climate Registry, June 2023 Default Emission Factors, see Table 1.1 (U.S. Default Factors for Calculating CO2 Emissions from Combustion of Transport Fuels) <https://theclimateregistry.org/wp-content/uploads/2023/06/2023-Default-Emission-Factors-Final-1.pdf>.

⁵ The anticipated Orange County fuel usage in 2026 (the first construction year).

Source: California Air Resources Board, EMFAC2021, Emissions Inventory, 2022, <https://arb.ca.gov/emfac/emissions-inventory/be193ed0dad4f2e4599e8cecf664668df11ac9eb>

Construction Water Energy

Daily Soil Disturbance ¹	2.0	acres
Days of Soil Disturbance ²	30	days
Water Concentration ³	3,020	gallons/acre
Water Energy Intensity ⁴	10,612	kWh/MG
Total Construction Water	0.18	million gallons
Construction Water Energy	1,923	kWh
	0.0019	GWh
Orange County Annual Electricity ⁵	19,225	GWh
Percentage Increase	0.000010%	

Notes:

¹ Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Detail) and maximum SCAQMD LST values for soil-disturbing equipment.

² Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

³ Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

⁴ Water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32.

⁵ Orange County electricity usage in 2024 (most recent data available).

Source: California Energy Commission, Electricity Consumption, <https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-0>.

Operational Fuel

MITIGATED							
Vehicle Type	Percent	Annual VMT ¹	MPG ²	Annual Fuel (Gallons)	Fuel Type	Orange County Gallons ³	RS Percent
Passenger Cars	1.00	1,928,892	21.6	89,301	Gas	1,048,783,960	0.0085%

Site A	Land Use ⁵	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
	Apartments Mid Rise	49.2386	3.9326	23.7988	2.2354	14.5523	2.8075	0.7436	1.5613	0.0598	0.0354	0.0965	0.3511	0.5871
Site B	Parking Lot	49.2386	3.9326	23.7988	2.2354	14.5523	2.8075	0.7436	1.5613	0.0598	0.0354	0.0965	0.3511	0.5871
	Apartments Mid Rise	49.2386	3.9326	23.7988	2.2354	14.5523	2.8075	0.7436	1.5613	0.0598	0.0354	0.0965	0.3511	0.5871
	Parking Lot	49.2386	3.9326	23.7988	2.2354	14.5523	2.8075	0.7436	1.5613	0.0598	0.0354	0.0965	0.3511	0.5871

Notes:

¹ Total annual operational VMT based on annual VMT from CalEEMod (5.9 Operational Mobile Sources).

² Average fuel economy derived from Department of Transportation.

³ The anticipated Orange County fuel usage in 2028 (the first operational year).

Source: California Air Resources Board, EMFAC2021, Emissions Inventory, 2022, <https://arb.ca.gov/emfac/emissions-inventory/cd60f29daaed924a75a9316202d7f56a9b573e5>.

Operational Water Energy

Indoor Water Usage	41.3	million gallons
Indoor Energy Intensity Factor ¹	13,614	kWh/MG
Outdoor Water Usage	1	million gallons
Outdoor Energy Intensity Factor ²	10,612	kWh/MG
Operational Water Energy	572,484	kWh
Operational Water Energy	0.5725	GWh
Orange County Annual Electricity	19,225	GWh
Percentage Increase	0.0030%	

Land Use	Water Usage (gal/year) ³	
	Indoor	Outdoor
Aparments Mid Rise	41,278,215	991,597
Parking Lot	0	0
Total Operational Water (MG/year)	41	1

Notes:

- ¹ Indoor water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32. Factor includes supply, treatment, distribution, and wastewater.
- ² Outdoor water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32. Factor includes supply, treatment, and distribution.
- ³ Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Elecricity/Natural Gas Energy

	Energy Usage	Annual Orange County Electricity ³	\$ Consumption
Electricity (kWh/yr)	3,993,098	19,225,145,139	0.0208%
Electricity (GWh/yr)	3.9931	19,225	0.0208%
Natural Gas (kBTU/yr)	0	56,173,649,642	0.0000%
Natural Gas (therms/yr)	0	561,736,496	0.0000%

Land Use	Electricity ¹ (kWh/yr)	Natural Gas ² (kBTU/yr)
Apartments Mid Rise	3,968,220	0
Parking Lot	24,878	0
Total Energy	3,993,098	0

Notes:

¹ Electricity use per CalEEMod (5.11 Operational Energy Consumption).

² Natural Gas use per CalEEMod (5.11 Operational Energy Consumption).

³ Orange County energy usage in 2024 (most recent data available).

Source: California Energy Commission, California Energy Consumption Dashboards, <https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards>.