Appendix B

CalEEMod Output – Full Buildout

Ventura GPU 2050 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Ventura GPU 2050
Construction Start Date	1/1/2026
Operational Year	2050
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	Ventura, CA, USA
County	Ventura
City	Ventura
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3458
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	380	Dwelling Unit	123	741,000	4,450,886	0.00	1,144	—

Condo/Townhouse	1,427	Dwelling Unit	89.2	1,512,620	0.00	0.00	4,295	—
Apartments Mid Rise	4,936	Dwelling Unit	130	4,738,560	0.00	0.00	14,857	—
Regional Shopping Center	579	1000sqft	13.3	579,150	4,450,886	0.00	—	—
Pharmacy/Drugstore w/o Drive Thru	118	1000sqft	2.71	118,244	0.00	0.00	—	—
Office Park	331	1000sqft	7.59	330,818	0.00	0.00	—	—
Manufacturing	245	1000sqft	5.63	245,430	0.00	0.00	—	—
Refrigerated Warehouse-No Rail	193	1000sqft	4.43	192,955	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	116	116	48.8	243	0.24	1.17	76.6	77.1	1.08	18.3	18.7	—	90,681	90,681	1.13	4.19	190	92,147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	116	116	56.4	237	0.24	1.17	76.6	77.1	1.08	18.3	18.8	—	89,773	89,773	1.36	6.32	5.58	91,696
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.7	81.7	37.3	159	0.17	0.76	54.8	55.1	0.70	13.1	13.4	—	63,114	63,114	0.89	4.52	58.7	64,541

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.9	14.9	6.80	29.0	0.03	0.14	10.00	10.1	0.13	2.39	2.44	—	10,449	10,449	0.15	0.75	9.71	10,685

2.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.79	2.35	20.7	19.9	0.03	0.84	0.20	1.04	0.78	0.05	0.82	—	3,623	3,623	0.14	0.03	0.74	3,638
2027	3.71	3.12	28.0	29.2	0.05	1.17	7.89	9.07	1.08	3.99	5.07	—	5,523	5,523	0.22	0.05	0.78	5,545
2028	3.68	3.10	27.5	29.3	0.06	1.14	7.89	9.04	1.05	3.99	5.05	—	6,851	6,851	0.27	0.06	0.81	6,877
2029	3.40	2.87	22.8	27.8	0.06	0.92	3.85	4.77	0.84	1.49	2.33	—	6,845	6,845	0.27	0.06	0.72	6,871
2030	3.31	2.78	21.7	27.8	0.06	0.88	3.85	4.74	0.81	1.49	2.30	—	6,840	6,840	0.27	0.06	0.65	6,866
2031	20.1	17.2	48.8	243	0.24	0.46	76.6	77.1	0.44	18.3	18.7	—	90,681	90,681	1.13	4.19	190	92,147
2032	19.4	16.4	47.2	230	0.24	0.44	76.6	77.0	0.42	18.3	18.7	—	88,912	88,912	1.13	3.97	167	90,291
2033	16.6	15.8	43.6	218	0.24	0.42	76.6	77.0	0.40	18.3	18.7	—	87,162	87,162	1.02	3.97	146	88,517
2034	15.9	15.1	42.3	207	0.24	0.41	76.6	77.0	0.39	18.3	18.7	—	85,579	85,579	1.00	3.76	127	86,850
2035	15.5	14.8	39.0	197	0.24	0.40	76.6	77.0	0.38	18.3	18.7	—	84,110	84,110	1.00	3.76	109	85,363
2036	14.9	14.4	37.9	187	0.24	0.38	76.6	77.0	0.37	18.3	18.7	—	82,752	82,752	1.00	3.54	94.0	83,926
2037	14.5	13.9	36.8	179	0.24	0.37	76.6	77.0	0.36	18.3	18.7	—	81,566	81,566	0.88	3.54	80.4	82,723
2038	13.9	13.4	36.7	172	0.24	0.37	76.6	77.0	0.36	18.3	18.7	—	80,857	80,857	0.88	3.32	68.4	81,938
2039	13.1	12.6	33.7	166	0.24	0.36	76.6	77.0	0.35	18.3	18.6	—	79,901	79,901	0.88	3.32	58.2	80,971
2040	12.7	10.0	33.1	161	0.24	0.36	76.6	77.0	0.35	18.3	18.6	—	79,051	79,051	0.64	3.30	49.3	80,101
2041	12.1	9.58	32.5	158	0.24	0.35	76.6	77.0	0.34	18.3	18.6	—	78,296	78,296	0.64	3.30	41.6	79,337
2042	11.7	9.23	31.9	153	0.24	0.35	76.6	77.0	0.34	18.3	18.6	—	77,618	77,618	0.53	3.09	35.3	78,586
2043	11.5	9.00	31.5	150	0.24	0.35	76.6	76.9	0.34	18.3	18.6	—	77,021	77,021	0.53	3.09	29.9	77,984
2044	9.02	8.53	31.1	148	0.24	0.34	76.6	76.9	0.33	18.3	18.6	—	76,497	76,497	0.53	3.09	25.4	77,456

2045	8.78	8.40	30.8	147	0.24	0.34	76.6	76.9	0.33	18.3	18.6	—	76,035	76,035	0.53	2.97	21.5	76,955
2046	8.66	8.29	30.4	145	0.24	0.33	76.6	76.9	0.32	18.3	18.6	—	75,642	75,642	0.53	2.97	18.2	76,559
2047	0.55	0.46	5.02	10.1	0.01	0.07	0.20	0.27	0.07	0.05	0.11	—	1,671	1,671	0.06	0.01	0.04	1,676
2048	116	116	4.93	26.0	0.01	0.07	13.7	13.7	0.06	3.21	3.21	—	11,264	11,264	0.07	0.05	2.31	11,282
2049	116	116	1.94	26.0	< 0.005	< 0.005	13.7	13.7	< 0.005	3.21	3.21	—	11,246	11,246	0.07	0.05	2.00	11,263
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.79	2.35	20.7	19.8	0.03	0.84	0.20	1.04	0.78	0.05	0.82	—	3,614	3,614	0.14	0.04	0.02	3,629
2027	3.71	3.12	28.1	29.1	0.05	1.17	7.89	9.07	1.08	3.99	5.07	—	5,513	5,513	0.22	0.05	0.02	5,534
2028	3.68	3.10	27.5	29.2	0.06	1.14	7.89	9.04	1.05	3.99	5.05	—	6,840	6,840	0.27	0.06	0.02	6,866
2029	3.40	2.86	22.8	27.7	0.06	0.92	3.85	4.77	0.84	1.49	2.33	—	6,834	6,834	0.27	0.06	0.02	6,859
2030	20.9	17.7	56.4	237	0.24	0.88	76.6	77.1	0.81	18.3	18.8	—	89,773	89,773	1.36	6.32	5.58	91,696
2031	20.0	17.0	52.7	223	0.24	0.46	76.6	77.1	0.44	18.3	18.7	—	87,934	87,934	1.25	6.32	4.93	89,854
2032	19.3	16.3	48.8	211	0.24	0.44	76.6	77.0	0.42	18.3	18.7	—	86,208	86,208	1.25	6.11	4.33	88,063
2033	16.6	15.7	47.2	200	0.24	0.42	76.6	77.0	0.40	18.3	18.7	—	84,498	84,498	1.25	3.97	3.78	85,716
2034	15.8	15.0	43.9	189	0.24	0.41	76.6	77.0	0.39	18.3	18.7	—	82,953	82,953	1.11	3.76	3.28	84,103
2035	15.4	14.7	42.6	181	0.24	0.40	76.6	77.0	0.38	18.3	18.7	—	81,515	81,515	1.11	3.76	2.84	82,665
2036	14.9	14.3	41.5	172	0.24	0.38	76.6	77.0	0.37	18.3	18.7	—	80,187	80,187	1.11	3.54	2.44	81,272
2037	14.4	13.8	38.4	164	0.24	0.37	76.6	77.0	0.36	18.3	18.7	—	79,026	79,026	1.00	3.54	2.09	80,108
2038	13.8	13.3	37.9	158	0.24	0.37	76.6	77.0	0.36	18.3	18.7	—	78,329	78,329	1.00	3.32	1.78	79,346
2039	13.2	10.6	37.2	152	0.24	0.36	76.6	77.0	0.35	18.3	18.6	—	77,394	77,394	1.00	3.32	1.50	78,411
2040	12.6	9.98	36.6	146	0.24	0.36	76.6	77.0	0.35	18.3	18.6	—	76,561	76,561	0.76	3.32	1.27	77,572
2041	12.3	9.63	35.9	143	0.24	0.35	76.6	77.0	0.34	18.3	18.6	—	75,823	75,823	0.64	3.32	1.08	76,830
2042	11.9	9.31	33.2	140	0.24	0.35	76.6	77.0	0.34	18.3	18.6	—	75,158	75,158	0.64	3.11	0.91	76,101
2043	9.44	8.95	32.8	137	0.24	0.35	76.6	76.9	0.34	18.3	18.6	—	74,573	74,573	0.64	3.11	0.78	75,516
2044	9.09	8.60	32.4	134	0.24	0.34	76.6	76.9	0.33	18.3	18.6	—	74,058	74,058	0.64	3.11	0.66	75,001
2045	8.85	8.48	32.0	134	0.24	0.34	76.6	76.9	0.33	18.3	18.6	—	73,607	73,607	0.64	3.11	0.56	74,550
2046	8.73	8.24	31.7	131	0.24	0.33	76.6	76.9	0.32	18.3	18.6	—	73,221	73,221	0.64	3.11	0.47	74,163

2047	0.55	0.46	5.02	10.0	0.01	0.07	0.20	0.27	0.07	0.05	0.11	—	1,664	1,664	0.06	0.01	< 0.005	1,669
2048	116	116	4.93	23.3	0.01	0.07	13.7	13.7	0.06	3.21	3.21	—	10,778	10,778	0.10	0.07	0.06	10,801
2049	116	116	2.01	23.3	< 0.005	< 0.005	13.7	13.7	< 0.005	3.21	3.21	—	10,760	10,760	0.10	0.07	0.05	10,783
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.99	1.68	14.8	14.1	0.02	0.60	0.14	0.74	0.55	0.03	0.59	—	2,583	2,583	0.10	0.03	0.23	2,593
2027	2.26	1.90	16.9	17.1	0.03	0.69	2.69	3.38	0.64	1.34	1.98	—	3,210	3,210	0.13	0.03	0.22	3,222
2028	2.57	2.16	18.5	20.5	0.04	0.76	4.09	4.85	0.70	1.89	2.59	—	4,464	4,464	0.18	0.04	0.23	4,480
2029	2.43	2.04	16.3	19.8	0.04	0.65	2.75	3.40	0.60	1.06	1.66	—	4,882	4,882	0.19	0.04	0.22	4,901
2030	4.37	3.69	19.5	44.1	0.06	0.58	11.1	11.7	0.54	3.00	3.54	—	14,506	14,506	0.31	0.77	10.9	14,753
2031	14.2	12.1	37.3	159	0.17	0.33	54.6	55.0	0.31	13.1	13.4	—	63,114	63,114	0.89	4.52	58.7	64,541
2032	13.8	11.7	34.7	151	0.17	0.32	54.8	55.1	0.30	13.1	13.4	—	62,046	62,046	0.89	4.37	51.6	63,424
2033	11.8	11.2	33.5	143	0.17	0.30	54.6	54.9	0.29	13.1	13.3	—	60,652	60,652	0.81	2.84	45.0	61,563
2034	11.3	10.8	31.0	135	0.17	0.29	54.6	54.9	0.28	13.1	13.3	—	59,542	59,542	0.79	2.68	39.1	60,401
2035	11.1	10.5	30.3	128	0.17	0.28	54.6	54.9	0.27	13.1	13.3	—	58,513	58,513	0.79	2.68	33.8	59,366
2036	10.6	10.2	29.4	122	0.17	0.28	54.8	55.1	0.27	13.1	13.4	—	57,719	57,719	0.71	2.54	29.1	58,521
2037	10.1	9.75	27.1	118	0.17	0.27	54.6	54.9	0.26	13.1	13.3	—	56,727	56,727	0.71	2.53	24.8	57,523
2038	9.80	9.42	26.8	112	0.17	0.26	54.6	54.9	0.25	13.1	13.3	—	56,229	56,229	0.71	2.37	21.1	56,976
2039	9.45	7.56	26.2	108	0.17	0.26	54.6	54.9	0.25	13.1	13.3	—	55,558	55,558	0.63	2.37	17.9	56,299
2040	8.90	7.10	25.9	106	0.17	0.26	54.8	55.0	0.25	13.1	13.3	—	55,113	55,113	0.46	2.38	15.2	55,849
2041	8.70	6.91	23.8	102	0.17	0.25	54.6	54.9	0.24	13.1	13.3	—	54,433	54,433	0.46	2.37	12.8	55,165
2042	8.37	6.58	23.6	99.9	0.17	0.25	54.6	54.9	0.24	13.1	13.3	—	53,957	53,957	0.46	2.22	10.9	54,640
2043	8.12	6.33	23.3	97.7	0.17	0.25	54.6	54.9	0.24	13.1	13.3	—	53,536	53,536	0.46	2.22	9.23	54,218
2044	6.44	6.09	22.9	97.6	0.17	0.24	54.8	55.0	0.24	13.1	13.3	—	53,315	53,315	0.46	2.21	7.84	53,993
2045	6.25	5.99	22.5	95.6	0.17	0.24	54.6	54.9	0.23	13.1	13.3	—	52,846	52,846	0.46	2.20	6.62	53,521
2046	3.94	3.71	14.9	60.5	0.11	0.17	33.1	33.3	0.16	7.92	8.08	—	32,298	32,298	0.25	1.34	3.40	32,707
2047	0.39	0.33	3.59	7.16	0.01	0.05	0.14	0.19	0.05	0.03	0.08	—	1,189	1,189	0.04	0.01	0.01	1,193
2048	58.9	58.8	2.05	13.9	< 0.005	0.02	6.94	6.95	0.01	1.63	1.64	—	5,832	5,832	0.05	0.04	0.51	5,845
2049	81.7	81.7	1.40	16.4	< 0.005	< 0.005	9.59	9.60	< 0.005	2.25	2.25	—	7,614	7,614	0.05	0.05	0.61	7,630

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.36	0.31	2.70	2.58	< 0.005	0.11	0.03	0.14	0.10	0.01	0.11	—	428	428	0.02	< 0.005	0.04	429
2027	0.41	0.35	3.09	3.12	0.01	0.13	0.49	0.62	0.12	0.24	0.36	—	531	531	0.02	0.01	0.04	533
2028	0.47	0.40	3.38	3.74	0.01	0.14	0.75	0.88	0.13	0.34	0.47	—	739	739	0.03	0.01	0.04	742
2029	0.44	0.37	2.97	3.62	0.01	0.12	0.50	0.62	0.11	0.19	0.30	—	808	808	0.03	0.01	0.04	811
2030	0.80	0.67	3.56	8.05	0.01	0.11	2.03	2.14	0.10	0.55	0.65	—	2,402	2,402	0.05	0.13	1.80	2,443
2031	2.60	2.20	6.80	29.0	0.03	0.06	9.97	10.0	0.06	2.38	2.44	—	10,449	10,449	0.15	0.75	9.71	10,685
2032	2.53	2.13	6.33	27.6	0.03	0.06	10.00	10.1	0.06	2.39	2.44	—	10,272	10,272	0.15	0.72	8.55	10,500
2033	2.15	2.05	6.11	26.1	0.03	0.05	9.97	10.0	0.05	2.38	2.43	—	10,042	10,042	0.13	0.47	7.44	10,192
2034	2.07	1.97	5.67	24.7	0.03	0.05	9.97	10.0	0.05	2.38	2.43	—	9,858	9,858	0.13	0.44	6.47	10,000
2035	2.02	1.92	5.53	23.4	0.03	0.05	9.97	10.0	0.05	2.38	2.43	—	9,687	9,687	0.13	0.44	5.59	9,829
2036	1.93	1.86	5.37	22.3	0.03	0.05	10.00	10.0	0.05	2.39	2.44	—	9,556	9,556	0.12	0.42	4.82	9,689
2037	1.85	1.78	4.94	21.5	0.03	0.05	9.97	10.0	0.05	2.38	2.43	—	9,392	9,392	0.12	0.42	4.10	9,524
2038	1.79	1.72	4.89	20.5	0.03	0.05	9.97	10.0	0.05	2.38	2.43	—	9,309	9,309	0.12	0.39	3.50	9,433
2039	1.73	1.38	4.79	19.7	0.03	0.05	9.97	10.0	0.05	2.38	2.43	—	9,198	9,198	0.10	0.39	2.97	9,321
2040	1.62	1.30	4.73	19.4	0.03	0.05	10.00	10.0	0.05	2.39	2.43	—	9,125	9,125	0.08	0.39	2.52	9,246
2041	1.59	1.26	4.35	18.6	0.03	0.05	9.97	10.0	0.04	2.38	2.43	—	9,012	9,012	0.08	0.39	2.13	9,133
2042	1.53	1.20	4.30	18.2	0.03	0.05	9.97	10.0	0.04	2.38	2.43	—	8,933	8,933	0.08	0.37	1.80	9,046
2043	1.48	1.15	4.24	17.8	0.03	0.05	9.97	10.0	0.04	2.38	2.43	—	8,863	8,863	0.08	0.37	1.53	8,976
2044	1.18	1.11	4.18	17.8	0.03	0.04	10.00	10.0	0.04	2.39	2.43	—	8,827	8,827	0.08	0.37	1.30	8,939
2045	1.14	1.09	4.11	17.4	0.03	0.04	9.97	10.0	0.04	2.38	2.42	—	8,749	8,749	0.08	0.36	1.10	8,861
2046	0.72	0.68	2.73	11.0	0.02	0.03	6.05	6.08	0.03	1.44	1.47	—	5,347	5,347	0.04	0.22	0.56	5,415
2047	0.07	0.06	0.65	1.31	< 0.005	0.01	0.03	0.03	0.01	0.01	0.01	—	197	197	0.01	< 0.005	< 0.005	198
2048	10.7	10.7	0.37	2.53	< 0.005	< 0.005	1.27	1.27	< 0.005	0.30	0.30	—	966	966	0.01	0.01	0.08	968
2049	14.9	14.9	0.25	2.98	< 0.005	< 0.005	1.75	1.75	< 0.005	0.41	0.41	—	1,261	1,261	0.01	0.01	0.10	1,263

2.4. 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.	305	294	85.1	1,076	2.32	4.13	250	254	4.01	63.2	67.2	4,542	329,083	333,625	470	9.62	5,293	353,533
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	258	251	86.4	585	2.23	3.84	250	253	3.80	63.2	67.0	4,542	320,131	324,673	470	10.1	5,264	344,685
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	281	272	87.2	808	2.25	3.98	249	253	3.91	63.1	67.0	4,542	321,976	326,518	470	9.96	5,276	346,513
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	51.3	49.6	15.9	148	0.41	0.73	45.5	46.2	0.71	11.5	12.2	752	53,307	54,059	77.8	1.65	874	57,369

2.5. 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	59.2	53.6	41.6	608	2.05	0.69	250	250	0.65	63.2	63.9	—	208,687	208,687	4.91	6.81	30.4	210,870
Area	241	239	4.07	448	0.02	0.28	—	0.28	0.22	—	0.22	0.00	1,285	1,285	0.05	0.01	—	1,290
Energy	4.56	2.28	39.5	19.9	0.25	3.15	—	3.15	3.15	—	3.15	—	113,488	113,488	8.35	0.57	—	113,868
Water	—	—	—	—	—	—	—	—	—	—	—	895	5,622	6,517	92.1	2.22	—	9,482
Waste	—	—	—	—	—	—	—	—	—	—	—	3,647	0.00	3,647	365	0.00	—	12,760
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,263	5,263
Total	305	294	85.1	1,076	2.32	4.13	250	254	4.01	63.2	67.2	4,542	329,083	333,625	470	9.62	5,293	353,533

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	58.9	53.4	46.9	565	1.98	0.69	250	250	0.65	63.2	63.9	—	201,020	201,020	5.06	7.26	0.79	203,311
Area	195	195	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	4.56	2.28	39.5	19.9	0.25	3.15	—	3.15	3.15	—	3.15	—	113,488	113,488	8.35	0.57	—	113,868
Water	—	—	—	—	—	—	—	—	—	—	—	895	5,622	6,517	92.1	2.22	—	9,482
Waste	—	—	—	—	—	—	—	—	—	—	—	3,647	0.00	3,647	365	0.00	—	12,760
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,263	5,263
Total	258	251	86.4	585	2.23	3.84	250	253	3.80	63.2	67.0	4,542	320,131	324,673	470	10.1	5,264	344,685
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	58.5	53.0	45.8	567	1.99	0.69	249	250	0.65	63.1	63.8	—	202,232	202,232	5.00	7.16	13.1	204,503
Area	218	216	2.01	221	0.01	0.14	—	0.14	0.11	—	0.11	0.00	634	634	0.03	0.01	—	636
Energy	4.56	2.28	39.5	19.9	0.25	3.15	—	3.15	3.15	—	3.15	—	113,488	113,488	8.35	0.57	—	113,868
Water	—	—	—	—	—	—	—	—	—	—	—	895	5,622	6,517	92.1	2.22	—	9,482
Waste	—	—	—	—	—	—	—	—	—	—	—	3,647	0.00	3,647	365	0.00	—	12,760
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,263	5,263
Total	281	272	87.2	808	2.25	3.98	249	253	3.91	63.1	67.0	4,542	321,976	326,518	470	9.96	5,276	346,513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.7	9.67	8.35	104	0.36	0.13	45.5	45.6	0.12	11.5	11.6	—	33,482	33,482	0.83	1.19	2.18	33,858
Area	39.7	39.5	0.37	40.3	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	105	105	< 0.005	< 0.005	—	105
Energy	0.83	0.42	7.20	3.64	0.05	0.58	—	0.58	0.58	—	0.58	—	18,789	18,789	1.38	0.10	—	18,852
Water	—	—	—	—	—	—	—	—	—	—	—	148	931	1,079	15.2	0.37	—	1,570
Waste	—	—	—	—	—	—	—	—	—	—	—	604	0.00	604	60.4	0.00	—	2,113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	871	871
Total	51.3	49.6	15.9	148	0.41	0.73	45.5	46.2	0.71	11.5	12.2	752	53,307	54,059	77.8	1.65	874	57,369

3. Construction Emissions Details

3.1. Demolition (2026) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.29	20.7	19.0	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.29	20.7	19.0	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95	1.63	14.8	13.6	0.02	0.60	—	0.60	0.55	—	0.55	—	2,448	2,448	0.10	0.02	—	2,456
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.69	2.48	< 0.005	0.11	—	0.11	0.10	—	0.10	—	405	405	0.02	< 0.005	—	407
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	< 0.005	0.01	0.74	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.80	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	188	188	< 0.005	0.01	0.02	190
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	135	135	< 0.005	0.01	0.23	137
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.4	22.4	< 0.005	< 0.005	0.04	22.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Demolition (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.21	19.9	18.6	0.03	0.80	—	0.80	0.73	—	0.73	—	3,427	3,427	0.14	0.03	—	3,439
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.21	19.9	18.6	0.03	0.80	—	0.80	0.73	—	0.73	—	3,427	3,427	0.14	0.03	—	3,439
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.63	7.15	0.01	0.31	—	0.31	0.28	—	0.28	—	1,314	1,314	0.05	0.01	—	1,319

Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.16	1.39	1.30	< 0.005	0.06	—	0.06	0.05	—	0.05	—	218	218	0.01	< 0.005	—	218
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.82	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	193	193	< 0.005	0.01	0.67	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.74	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	185	185	< 0.005	0.01	0.02	187
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.29	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	71.3	71.3	< 0.005	< 0.005	0.11	72.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	12.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Site Preparation (2027) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.20	1.01	9.25	9.35	0.02	0.39	—	0.39	0.36	—	0.36	—	1,752	1,752	0.07	0.01	—	1,758
Dust From Material Movement	—	—	—	—	—	—	2.54	2.54	—	1.30	1.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.22	0.18	1.69	1.71	< 0.005	0.07	—	0.07	0.07	—	0.07	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	0.46	0.46	—	0.24	0.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	225	225	< 0.005	0.01	0.78	229
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.87	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	215	215	< 0.005	0.01	0.02	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.29	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	71.8	71.8	< 0.005	< 0.005	0.11	72.7

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.9	11.9	< 0.005	< 0.005	0.02	12.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Site Preparation (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.61	3.04	27.5	28.4	0.05	1.14	—	1.14	1.05	—	1.05	—	5,300	5,300	0.21	0.04	—	5,318
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.61	3.04	27.5	28.4	0.05	1.14	—	1.14	1.05	—	1.05	—	5,300	5,300	0.21	0.04	—	5,318

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	9.03	9.32	0.02	0.38	—	0.38	0.35	—	0.35	—	1,742	1,742	0.07	0.01	—	1,748
Dust From Material Movement	—	—	—	—	—	—	2.52	2.52	—	1.30	1.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.65	1.70	< 0.005	0.07	—	0.07	0.06	—	0.06	—	288	288	0.01	< 0.005	—	289
Dust From Material Movement	—	—	—	—	—	—	0.46	0.46	—	0.24	0.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.90	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	0.71	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	0.81	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	211	211	< 0.005	0.01	0.02	214
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.27	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	70.0	70.0	< 0.005	< 0.005	0.10	71.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	0.02	11.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Grading (2028) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.43	2.88	24.3	27.2	0.06	0.99	—	0.99	0.91	—	0.91	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.43	2.88	24.3	27.2	0.06	0.99	—	0.99	0.91	—	0.91	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	1.12	9.43	10.5	0.02	0.38	—	0.38	0.35	—	0.35	—	2,557	2,557	0.10	0.02	—	2,565
Dust From Material Movement	—	—	—	—	—	—	1.39	1.39	—	0.55	0.55	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.72	1.92	< 0.005	0.07	—	0.07	0.06	—	0.06	—	423	423	0.02	< 0.005	—	425
Dust From Material Movement	—	—	—	—	—	—	0.25	0.25	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	1.03	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	253	253	< 0.005	0.01	0.81	257
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	0.93	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	242	242	< 0.005	0.01	0.02	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.3	94.3	< 0.005	< 0.005	0.13	95.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.02	15.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Grading (2029) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	3.32	2.79	22.7	26.9	0.06	0.92	—	0.92	0.84	—	0.84	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.32	2.79	22.7	26.9	0.06	0.92	—	0.92	0.84	—	0.84	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.37	1.99	16.2	19.2	0.04	0.65	—	0.65	0.60	—	0.60	—	4,712	4,712	0.19	0.04	—	4,728
Dust From Material Movement	—	—	—	—	—	—	2.56	2.56	—	1.02	1.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	2.96	3.50	0.01	0.12	—	0.12	0.11	—	0.11	—	780	780	0.03	0.01	—	783

Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.97	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	< 0.005	0.01	0.72	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.08	0.87	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	238	238	< 0.005	0.01	0.02	241
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.63	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	171	171	< 0.005	0.01	0.22	173
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.3	28.3	< 0.005	< 0.005	0.04	28.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Grading (2030) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.23	2.72	21.7	26.9	0.06	0.88	—	0.88	0.81	—	0.81	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.23	2.72	21.7	26.9	0.06	0.88	—	0.88	0.81	—	0.81	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	13.0	16.1	0.04	0.53	—	0.53	0.49	—	0.49	—	3,950	3,950	0.16	0.03	—	3,963
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	0.85	0.85	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.30	2.37	2.93	0.01	0.10	—	0.10	0.09	—	0.09	—	654	654	0.03	0.01	—	656
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.91	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	244	244	< 0.005	0.01	0.65	248
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.82	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	234	234	< 0.005	0.01	0.02	236
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	141	141	< 0.005	0.01	0.17	143
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	0.03	23.6

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2030) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.97	1.49	< 0.005	0.03	—	0.03	0.03	—	0.03	—	277	277	0.01	< 0.005	—	278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.8	45.8	< 0.005	< 0.005	—	46.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	18.8	16.2	18.4	214	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	61,085	61,085	0.92	2.48	4.39	61,851
Vendor	0.96	0.58	29.6	9.90	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	26,291	26,291	0.34	3.82	1.19	27,440
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.14	1.84	2.10	24.9	0.00	0.00	7.88	7.88	0.00	1.85	1.85	—	7,104	7,104	0.09	0.29	8.42	7,200
Vendor	0.12	0.07	3.42	1.12	0.02	0.02	0.95	0.97	0.02	0.26	0.29	—	3,034	3,034	0.04	0.44	2.28	3,169
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.34	0.38	4.54	0.00	0.00	1.44	1.44	0.00	0.34	0.34	—	1,176	1,176	0.02	0.05	1.39	1,192
Vendor	0.02	0.01	0.62	0.21	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	—	502	502	0.01	0.07	0.38	525
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2031) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	18.0	15.6	13.4	221	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	62,884	62,884	0.69	0.35	150	63,155
Vendor	0.98	0.62	27.3	9.35	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	25,400	25,400	0.34	3.82	39.9	26,587
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	18.0	15.5	16.1	200	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	60,121	60,121	0.81	2.48	3.91	60,884
Vendor	0.94	0.58	28.4	9.67	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	25,417	25,417	0.34	3.82	1.03	26,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.8	11.0	11.4	143	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	43,254	43,254	0.58	1.77	46.4	43,843
Vendor	0.69	0.43	20.1	6.78	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	18,148	18,148	0.25	2.73	12.3	18,980
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.33	2.01	2.07	26.1	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	7,161	7,161	0.10	0.29	7.69	7,259
Vendor	0.13	0.08	3.67	1.24	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	3,005	3,005	0.04	0.45	2.03	3,142
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2032) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	17.3	14.9	13.3	209	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	61,978	61,978	0.69	0.35	133	62,231
Vendor	0.98	0.62	26.0	9.13	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	24,538	24,538	0.34	3.61	34.0	25,655
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	17.3	14.8	13.8	189	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	59,255	59,255	0.81	2.48	3.45	60,018
Vendor	0.94	0.58	27.1	9.43	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	24,556	24,556	0.34	3.61	0.88	25,640
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.4	10.6	9.79	136	0.00	0.00	48.9	48.9	0.00	11.5	11.5	—	42,749	42,749	0.58	1.78	41.1	43,334
Vendor	0.69	0.43	19.3	6.63	0.15	0.15	5.88	6.04	0.15	1.63	1.78	—	17,581	17,581	0.25	2.58	10.5	18,367
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.26	1.94	1.79	24.8	0.00	0.00	8.93	8.93	0.00	2.09	2.09	—	7,078	7,078	0.10	0.29	6.80	7,174
Vendor	0.13	0.08	3.51	1.21	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,911	2,911	0.04	0.43	1.74	3,041
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2033) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	14.6	14.4	11.1	196	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	61,096	61,096	0.58	0.35	117	61,330
Vendor	0.96	0.60	24.8	8.92	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	23,669	23,669	0.34	3.61	29.2	24,782
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	14.6	14.2	13.7	178	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	58,413	58,413	0.81	0.35	3.02	58,539
Vendor	0.92	0.56	25.9	9.19	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	23,688	23,688	0.34	3.61	0.76	24,772
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.3	10.2	9.68	128	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	42,028	42,028	0.49	0.25	36.0	42,150
Vendor	0.67	0.41	18.3	6.46	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	16,912	16,912	0.25	2.58	9.01	17,695
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.89	1.86	1.77	23.3	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,958	6,958	0.08	0.04	5.95	6,978
Vendor	0.12	0.08	3.34	1.18	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,800	2,800	0.04	0.43	1.49	2,930
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (2034) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.9	13.7	11.0	186	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	60,321	60,321	0.58	0.35	102	60,540
Vendor	0.96	0.60	23.8	8.70	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	22,861	22,861	0.32	3.39	24.9	23,905
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.9	13.6	11.4	167	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	57,675	57,675	0.69	0.35	2.64	57,798
Vendor	0.92	0.56	24.9	8.96	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	22,881	22,881	0.32	3.39	0.65	23,900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.93	9.76	8.07	120	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	41,495	41,495	0.49	0.25	31.4	41,612
Vendor	0.67	0.41	17.6	6.29	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	16,335	16,335	0.23	2.42	7.68	17,071
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	1.78	1.47	21.9	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,870	6,870	0.08	0.04	5.20	6,889
Vendor	0.12	0.08	3.21	1.15	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,705	2,705	0.04	0.40	1.27	2,826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (2035) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	5.24	9.06	0.02	0.13	—	0.13	0.12	—	0.12	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.96	1.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.6	13.3	8.82	176	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	59,629	59,629	0.58	0.35	88.2	59,834
Vendor	0.96	0.60	22.8	8.68	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	22,084	22,084	0.32	3.39	21.1	23,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.6	13.3	11.3	159	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	57,014	57,014	0.69	0.35	2.29	57,137
Vendor	0.88	0.53	23.9	8.96	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	22,105	22,105	0.32	3.39	0.55	23,123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.68	9.51	7.99	113	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	41,020	41,020	0.49	0.25	27.2	41,133
Vendor	0.66	0.40	17.0	6.31	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	15,781	15,781	0.23	2.42	6.51	16,515
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.77	1.74	1.46	20.6	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,791	6,791	0.08	0.04	4.51	6,810
Vendor	0.12	0.07	3.11	1.15	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,613	2,613	0.04	0.40	1.08	2,734
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (2036) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.60	5.10	9.03	0.02	0.12	—	0.12	0.11	—	0.11	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.93	1.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	284	284	0.01	< 0.005	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.2	13.0	8.71	166	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	58,988	58,988	0.58	0.35	76.3	59,182
Vendor	0.75	0.60	22.0	8.48	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	21,367	21,367	0.32	3.17	17.8	22,339
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.2	13.0	11.2	151	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	56,402	56,402	0.69	0.35	1.98	56,525
Vendor	0.66	0.53	23.2	8.74	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	21,388	21,388	0.32	3.17	0.46	22,342
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.38	9.21	7.93	107	0.00	0.00	48.9	48.9	0.00	11.5	11.5	—	40,692	40,692	0.41	0.25	23.6	40,799
Vendor	0.50	0.40	16.4	6.15	0.15	0.15	5.88	6.04	0.15	1.63	1.78	—	15,310	15,310	0.23	2.27	5.49	15,999
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.71	1.68	1.45	19.5	0.00	0.00	8.93	8.93	0.00	2.09	2.09	—	6,737	6,737	0.07	0.04	3.91	6,755
Vendor	0.09	0.07	2.99	1.12	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,535	2,535	0.04	0.38	0.91	2,649
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (2037) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.70	0.58	4.99	8.93	0.02	0.11	—	0.11	0.10	—	0.10	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.13	0.11	0.91	1.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.7	12.5	8.59	158	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	58,437	58,437	0.46	0.35	65.6	58,617
Vendor	0.75	0.60	21.3	8.27	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	20,733	20,733	0.32	3.17	14.8	21,701
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.7	12.4	9.05	142	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	55,875	55,875	0.58	0.35	1.70	55,995
Vendor	0.66	0.53	22.4	8.52	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	20,754	20,754	0.32	3.17	0.39	21,708
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	8.94	8.77	6.30	103	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	40,200	40,200	0.41	0.25	20.2	40,304
Vendor	0.50	0.40	15.8	5.98	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	14,815	14,815	0.23	2.27	4.57	15,501
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.60	1.15	18.7	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,656	6,656	0.07	0.04	3.35	6,673
Vendor	0.09	0.07	2.88	1.09	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,453	2,453	0.04	0.38	0.76	2,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Building Construction (2038) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.69	0.58	4.92	8.90	0.02	0.11	—	0.11	0.10	—	0.10	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.90	1.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.2	12.1	8.59	151	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	58,159	58,159	0.46	0.35	56.1	58,330
Vendor	0.72	0.58	21.2	8.27	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	20,301	20,301	0.32	2.96	12.3	21,203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.2	11.9	8.94	137	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	55,610	55,610	0.58	0.35	1.46	55,729
Vendor	0.66	0.53	22.1	8.52	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	20,322	20,322	0.32	2.96	0.32	21,212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.61	8.44	6.30	97.2	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	40,010	40,010	0.41	0.25	17.3	40,112
Vendor	0.50	0.40	15.6	5.98	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	14,507	14,507	0.23	2.11	3.78	15,146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.57	1.54	1.15	17.7	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,624	6,624	0.07	0.04	2.87	6,641
Vendor	0.09	0.07	2.84	1.09	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,402	2,402	0.04	0.35	0.63	2,508

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. Building Construction (2039) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.57	4.84	8.86	0.02	0.10	—	0.10	0.10	—	0.10	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.13	0.10	0.88	1.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	11.5	11.2	6.34	146	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	57,724	57,724	0.46	0.35	48.2	57,887
Vendor	0.70	0.58	20.6	8.05	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	19,779	19,779	0.32	2.96	10.0	20,679
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	11.6	9.23	8.82	131	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	55,196	55,196	0.58	0.35	1.24	55,315
Vendor	0.66	0.53	21.6	8.33	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	19,801	19,801	0.32	2.96	0.26	20,691
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.28	6.59	6.22	93.3	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	39,712	39,712	0.33	0.25	14.8	39,808
Vendor	0.49	0.40	15.2	5.84	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	14,135	14,135	0.23	2.11	3.09	14,773
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.51	1.20	1.14	17.0	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,575	6,575	0.05	0.04	2.45	6,591
Vendor	0.09	0.07	2.77	1.07	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,340	2,340	0.04	0.35	0.51	2,446
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Building Construction (2040) - 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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.80	8.87	0.02	0.10	—	0.10	0.09	—	0.09	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.88	1.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	284	284	0.01	< 0.005	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	11.0	8.65	6.34	141	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	57,348	57,348	0.46	0.35	41.2	57,504
Vendor	0.70	0.58	20.1	8.07	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	19,306	19,306	0.08	2.94	8.10	20,191
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	11.0	8.65	8.82	126	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	54,836	54,836	0.58	0.35	1.06	54,955
Vendor	0.66	0.53	21.1	8.33	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	19,328	19,328	0.08	2.96	0.21	20,212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.72	6.11	6.24	91.3	0.00	0.00	48.9	48.9	0.00	11.5	11.5	—	39,562	39,562	0.33	0.25	12.7	39,656
Vendor	0.49	0.41	14.9	5.86	0.15	0.15	5.88	6.04	0.15	1.63	1.78	—	13,834	13,834	0.06	2.12	2.50	14,470
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.41	1.12	1.14	16.7	0.00	0.00	8.93	8.93	0.00	2.09	2.09	—	6,550	6,550	0.05	0.04	2.10	6,566
Vendor	0.09	0.08	2.71	1.07	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,290	2,290	0.01	0.35	0.41	2,396
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.37. Building Construction (2041) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.75	8.81	0.02	0.10	—	0.10	0.09	—	0.09	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.87	1.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.4	8.19	6.23	138	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	57,022	57,022	0.46	0.35	35.1	57,172
Vendor	0.70	0.60	19.6	7.86	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	18,877	18,877	0.08	2.94	6.52	19,760
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.7	8.30	8.71	123	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	54,527	54,527	0.46	0.35	0.91	54,642
Vendor	0.66	0.53	20.5	8.11	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	18,899	18,899	0.08	2.96	0.17	19,783
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.54	5.93	4.61	87.4	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	39,231	39,231	0.33	0.25	10.8	39,324
Vendor	0.49	0.41	14.5	5.69	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	13,490	13,490	0.06	2.11	2.02	14,123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.38	1.08	0.84	16.0	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,495	6,495	0.05	0.04	1.79	6,510
Vendor	0.09	0.08	2.64	1.04	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,233	2,233	0.01	0.35	0.33	2,338
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.39. Building Construction (2042) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.72	8.81	0.02	0.10	—	0.10	0.09	—	0.09	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.86	1.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.1	7.84	6.23	133	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	56,733	56,733	0.35	0.35	30.0	56,875
Vendor	0.70	0.60	19.1	7.86	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	18,488	18,488	0.08	2.72	5.32	19,307
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.3	7.96	6.57	120	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	54,250	54,250	0.46	0.35	0.77	54,365
Vendor	0.66	0.56	20.0	8.11	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	18,511	18,511	0.08	2.74	0.14	19,331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	7.21	5.60	4.61	85.3	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	39,032	39,032	0.33	0.25	9.24	39,123
Vendor	0.49	0.41	14.2	5.70	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	13,213	13,213	0.06	1.96	1.64	13,800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.32	1.02	0.84	15.6	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,462	6,462	0.05	0.04	1.53	6,477
Vendor	0.09	0.08	2.60	1.04	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,188	2,188	0.01	0.32	0.27	2,285
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.41. Building Construction (2043) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.67	0.56	4.68	8.77	0.02	0.09	—	0.09	0.09	—	0.09	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.85	1.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.86	7.61	6.11	130	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	56,478	56,478	0.35	0.35	25.5	56,615
Vendor	0.70	0.60	18.8	7.68	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	18,146	18,146	0.08	2.72	4.39	18,963
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.84	7.61	6.46	117	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	54,007	54,007	0.46	0.35	0.66	54,123
Vendor	0.66	0.56	19.8	7.90	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	18,169	18,169	0.08	2.74	0.11	18,988
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.96	5.35	4.53	83.4	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	38,856	38,856	0.33	0.25	7.87	38,946
Vendor	0.49	0.41	14.0	5.56	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	12,968	12,968	0.06	1.96	1.36	13,555
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27	0.98	0.83	15.2	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,433	6,433	0.05	0.04	1.30	6,448
Vendor	0.09	0.08	2.56	1.02	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,147	2,147	0.01	0.32	0.22	2,244

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. Building Construction (2044) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	4.64	8.76	0.02	0.09	—	0.09	0.08	—	0.08	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.12	0.10	0.85	1.60	< 0.005	0.02	—	0.02	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.38	7.15	6.11	128	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	56,263	56,263	0.35	0.35	21.8	56,396
Vendor	0.70	0.60	18.5	7.68	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	17,838	17,838	0.08	2.72	3.62	18,654
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.50	7.27	6.46	114	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	53,800	53,800	0.46	0.35	0.56	53,916
Vendor	0.66	0.56	19.5	7.92	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	17,861	17,861	0.08	2.74	0.09	18,681
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.29	5.12	4.54	83.3	0.00	0.00	48.9	48.9	0.00	11.5	11.5	—	38,815	38,815	0.33	0.25	6.73	38,904
Vendor	0.49	0.41	13.7	5.58	0.15	0.15	5.88	6.04	0.15	1.63	1.78	—	12,783	12,783	0.06	1.95	1.11	13,367
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.93	0.83	15.2	0.00	0.00	8.93	8.93	0.00	2.09	2.09	—	6,426	6,426	0.05	0.04	1.11	6,441
Vendor	0.09	0.08	2.51	1.02	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,116	2,116	0.01	0.32	0.18	2,213
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. Building Construction (2045) - 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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.55	4.59	8.68	0.02	0.09	—	0.09	0.08	—	0.08	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	1.58	< 0.005	0.02	—	0.02	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.15	7.04	6.11	127	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	56,067	56,067	0.35	0.23	18.5	56,163
Vendor	0.70	0.60	18.2	7.71	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	17,571	17,571	0.08	2.72	2.97	18,387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.27	7.15	6.34	114	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	53,615	53,615	0.46	0.35	0.48	53,730
Vendor	0.66	0.56	19.2	7.94	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	17,595	17,595	0.08	2.74	0.08	18,415
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.11	5.03	4.45	81.3	0.00	0.00	48.8	48.8	0.00	11.4	11.4	—	38,576	38,576	0.33	0.25	5.71	38,663
Vendor	0.49	0.41	13.5	5.56	0.15	0.15	5.87	6.02	0.15	1.62	1.78	—	12,558	12,558	0.06	1.94	0.91	13,140
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.92	0.81	14.8	0.00	0.00	8.90	8.90	0.00	2.09	2.09	—	6,387	6,387	0.05	0.04	0.95	6,401
Vendor	0.09	0.08	2.47	1.02	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	2,079	2,079	0.01	0.32	0.15	2,175
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. Building Construction (2046) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.92	0.77	6.38	12.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.38	12.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	2.76	5.24	0.01	0.05	—	0.05	0.05	—	0.05	—	1,037	1,037	0.04	0.01	—	1,040
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.96	< 0.005	0.01	—	0.01	0.01	—	0.01	—	172	172	0.01	< 0.005	—	172
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.04	6.92	6.00	125	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	55,906	55,906	0.35	0.23	15.8	55,999
Vendor	0.70	0.60	18.0	7.71	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	17,340	17,340	0.08	2.72	2.42	18,155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.15	6.92	6.34	111	0.00	0.00	68.4	68.4	0.00	16.0	16.0	—	53,460	53,460	0.46	0.35	0.41	53,575
Vendor	0.66	0.56	19.0	7.94	0.22	0.22	8.22	8.44	0.22	2.27	2.49	—	17,364	17,364	0.08	2.74	0.06	18,183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.09	2.99	2.69	49.1	0.00	0.00	29.5	29.5	0.00	6.92	6.92	—	23,289	23,289	0.15	0.15	2.94	23,340
Vendor	0.30	0.25	8.07	3.38	0.09	0.09	3.55	3.65	0.09	0.98	1.08	—	7,503	7,503	0.04	1.18	0.45	7,856
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.55	0.49	8.96	0.00	0.00	5.39	5.39	0.00	1.26	1.26	—	3,856	3,856	0.02	0.02	0.49	3,864
Vendor	0.05	0.05	1.47	0.62	0.02	0.02	0.65	0.67	0.02	0.18	0.20	—	1,242	1,242	0.01	0.19	0.07	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. Paving (2046) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	5.02	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	5.02	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.42	2.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	426	426	0.02	< 0.005	—	427
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.26	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	70.5	70.5	< 0.005	< 0.005	—	70.7
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.36	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	160	160	< 0.005	< 0.005	0.05	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	153	153	< 0.005	< 0.005	< 0.005	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	43.5	43.5	< 0.005	< 0.005	0.01	43.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.20	7.20	< 0.005	< 0.005	< 0.005	7.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. Paving (2047) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	5.00	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	5.00	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	3.57	6.93	0.01	0.05	—	0.05	0.05	—	0.05	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.65	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.36	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	160	160	< 0.005	< 0.005	0.04	160
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	153	153	< 0.005	< 0.005	< 0.005	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.23	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.01	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	18.2	18.2	< 0.005	< 0.005	< 0.005	18.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. Paving (2048) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	4.91	9.68	0.01	0.07	—	0.07	0.06	—	0.06	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	4.91	9.68	0.01	0.07	—	0.07	0.06	—	0.06	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	1.04	2.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	319	319	0.01	< 0.005	—	320
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.9	52.9	< 0.005	< 0.005	—	53.0
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.36	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	160	160	< 0.005	< 0.005	0.03	160
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	153	153	< 0.005	< 0.005	< 0.005	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.07	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	32.5	32.5	< 0.005	< 0.005	< 0.005	32.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.38	5.38	< 0.005	< 0.005	< 0.005	5.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. Architectural Coating (2048) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	115	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	115	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	67.4	67.4	< 0.005	< 0.005	—	67.6
Architectural Coatings	58.0	58.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.2	11.2	< 0.005	< 0.005	—	11.2
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.34	1.31	1.20	24.9	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,130	11,130	0.07	0.05	2.31	11,148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.34	1.31	1.27	22.2	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	10,644	10,644	0.09	0.07	0.06	10,667
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.66	0.63	11.2	0.00	0.00	6.89	6.89	0.00	1.62	1.62	—	5,413	5,413	0.03	0.03	0.51	5,425
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.11	2.05	0.00	0.00	1.26	1.26	0.00	0.29	0.29	—	896	896	0.01	0.01	0.08	898
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. Architectural Coating (2049) - 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	115	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	115	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.52	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	93.8	93.8	< 0.005	< 0.005	—	94.1
Architectural Coatings	80.7	80.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6

Architect Coatings	14.7	14.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.29	1.20	24.9	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,112	11,112	0.07	0.05	2.00	11,129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.34	1.31	1.27	22.2	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	10,626	10,626	0.09	0.07	0.05	10,649
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.91	0.88	15.6	0.00	0.00	9.59	9.59	0.00	2.25	2.25	—	7,520	7,520	0.05	0.05	0.61	7,536
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.16	2.84	0.00	0.00	1.75	1.75	0.00	0.41	0.41	—	1,245	1,245	0.01	0.01	0.10	1,248
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	59.2	53.6	41.6	608	2.05	0.69	250	250	0.65	63.2	63.9	—	208,687	208,687	4.91	6.81	30.4	210,870
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Pharmacy/Drugstore w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Manufacturing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	59.2	53.6	41.6	608	2.05	0.69	250	250	0.65	63.2	63.9	—	208,687	208,687	4.91	6.81	30.4	210,870

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	58.9	53.4	46.9	565	1.98	0.69	250	250	0.65	63.2	63.9	—	201,020	201,020	5.06	7.26	0.79	203,311
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Pharmacy/Drugstore w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Manufacturing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	58.9	53.4	46.9	565	1.98	0.69	250	250	0.65	63.2	63.9	—	201,020	201,020	5.06	7.26	0.79	203,311
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	10.7	9.67	8.35	104	0.36	0.13	45.5	45.6	0.12	11.5	11.6	—	33,482	33,482	0.83	1.19	2.18	33,858

Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Pharmacy/Drugstore w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Manufacturing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	10.7	9.67	8.35	104	0.36	0.13	45.5	45.6	0.12	11.5	11.6	—	33,482	33,482	0.83	1.19	2.18	33,858

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,512	3,512	0.22	0.03	—	3,525
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	9,062	9,062	0.56	0.07	—	9,096
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	24,472	24,472	1.52	0.18	—	24,565
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	8,247	8,247	0.51	0.06	—	8,278
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	1,684	1,684	0.10	0.01	—	1,690
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	8,519	8,519	0.53	0.06	—	8,551
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	3,326	3,326	0.21	0.03	—	3,339
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,162	5,162	0.32	0.04	—	5,181
Total	—	—	—	—	—	—	—	—	—	—	—	—	63,983	63,983	3.97	0.48	—	64,225
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,512	3,512	0.22	0.03	—	3,525
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	9,062	9,062	0.56	0.07	—	9,096

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	24,472	24,472	1.52	0.18	—	24,565
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	8,247	8,247	0.51	0.06	—	8,278
Pharma cy/Drug store w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	1,684	1,684	0.10	0.01	—	1,690
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	8,519	8,519	0.53	0.06	—	8,551
Manufac turing	—	—	—	—	—	—	—	—	—	—	—	—	3,326	3,326	0.21	0.03	—	3,339
Refriger ated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,162	5,162	0.32	0.04	—	5,181
Total	—	—	—	—	—	—	—	—	—	—	—	—	63,983	63,983	3.97	0.48	—	64,225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	581	581	0.04	< 0.005	—	584
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	1,500	1,500	0.09	0.01	—	1,506
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	4,052	4,052	0.25	0.03	—	4,067
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	1,365	1,365	0.08	0.01	—	1,371

Pharmacy/Drug	—	—	—	—	—	—	—	—	—	—	—	—	279	279	0.02	< 0.005	—	280
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	1,410	1,410	0.09	0.01	—	1,416
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	551	551	0.03	< 0.005	—	553
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.05	0.01	—	858
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,593	10,593	0.66	0.08	—	10,633

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.49	0.24	4.17	1.77	0.03	0.34	—	0.34	0.34	—	0.34	—	5,289	5,289	0.47	0.01	—	5,303
Condo/Townhouse	1.25	0.62	10.7	4.54	0.07	0.86	—	0.86	0.86	—	0.86	—	13,530	13,530	1.20	0.03	—	13,568
Apartments Mid Rise	2.00	1.00	17.1	7.26	0.11	1.38	—	1.38	1.38	—	1.38	—	21,665	21,665	1.92	0.04	—	21,725
Regional Shopping Center	0.10	0.05	0.93	0.78	0.01	0.07	—	0.07	0.07	—	0.07	—	1,110	1,110	0.10	< 0.005	—	1,113

Pharmacy/Drug store	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	227	227	0.02	< 0.005	—	227
Office Park	0.26	0.13	2.36	1.98	0.01	0.18	—	0.18	0.18	—	0.18	—	2,815	2,815	0.25	0.01	—	2,823
Manufacturing	0.31	0.15	2.81	2.36	0.02	0.21	—	0.21	0.21	—	0.21	—	3,355	3,355	0.30	0.01	—	3,364
Refrigerated Warehouse-No Rail	0.14	0.07	1.27	1.07	0.01	0.10	—	0.10	0.10	—	0.10	—	1,516	1,516	0.13	< 0.005	—	1,520
Total	4.56	2.28	39.5	19.9	0.25	3.15	—	3.15	3.15	—	3.15	—	49,505	49,505	4.38	0.09	—	49,643
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.49	0.24	4.17	1.77	0.03	0.34	—	0.34	0.34	—	0.34	—	5,289	5,289	0.47	0.01	—	5,303
Condo/Townhouse	1.25	0.62	10.7	4.54	0.07	0.86	—	0.86	0.86	—	0.86	—	13,530	13,530	1.20	0.03	—	13,568
Apartments Mid Rise	2.00	1.00	17.1	7.26	0.11	1.38	—	1.38	1.38	—	1.38	—	21,665	21,665	1.92	0.04	—	21,725
Regional Shopping Center	0.10	0.05	0.93	0.78	0.01	0.07	—	0.07	0.07	—	0.07	—	1,110	1,110	0.10	< 0.005	—	1,113
Pharmacy/Drug store w/o Drive Thru	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	227	227	0.02	< 0.005	—	227
Office Park	0.26	0.13	2.36	1.98	0.01	0.18	—	0.18	0.18	—	0.18	—	2,815	2,815	0.25	0.01	—	2,823

Manufacturing	0.31	0.15	2.81	2.36	0.02	0.21	—	0.21	0.21	—	0.21	—	3,355	3,355	0.30	0.01	—	3,364
Refrigerated Warehouse-No Rail	0.14	0.07	1.27	1.07	0.01	0.10	—	0.10	0.10	—	0.10	—	1,516	1,516	0.13	< 0.005	—	1,520
Total	4.56	2.28	39.5	19.9	0.25	3.15	—	3.15	3.15	—	3.15	—	49,505	49,505	4.38	0.09	—	49,643
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.09	0.04	0.76	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	876	876	0.08	< 0.005	—	878
Condo/Townhouse	0.23	0.11	1.95	0.83	0.01	0.16	—	0.16	0.16	—	0.16	—	2,240	2,240	0.20	< 0.005	—	2,246
Apartments Mid Rise	0.36	0.18	3.11	1.33	0.02	0.25	—	0.25	0.25	—	0.25	—	3,587	3,587	0.32	0.01	—	3,597
Regional Shopping Center	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	184	184	0.02	< 0.005	—	184
Pharmacy/Drugstore w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.5	37.5	< 0.005	< 0.005	—	37.6
Office Park	0.05	0.02	0.43	0.36	< 0.005	0.03	—	0.03	0.03	—	0.03	—	466	466	0.04	< 0.005	—	467
Manufacturing	0.06	0.03	0.51	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	555	555	0.05	< 0.005	—	557
Refrigerated Warehouse-No Rail	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.02	< 0.005	—	252
Total	0.83	0.42	7.20	3.64	0.05	0.58	—	0.58	0.58	—	0.58	—	8,196	8,196	0.73	0.02	—	8,219

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	181	181	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	13.9	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	46.4	43.7	4.07	448	0.02	0.28	—	0.28	0.22	—	0.22	—	1,285	1,285	0.05	0.01	—	1,290
Total	241	239	4.07	448	0.02	0.28	—	0.28	0.22	—	0.22	0.00	1,285	1,285	0.05	0.01	—	1,290
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	181	181	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	13.9	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	195	195	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	33.0	33.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.18	3.93	0.37	40.3	< 0.005	0.03	—	0.03	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Total	39.7	39.5	0.37	40.3	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	105	105	< 0.005	< 0.005	—	105

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	27.6	687	714	2.87	0.07	—	808
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	104	537	640	10.7	0.26	—	983
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	359	1,856	2,215	36.9	0.89	—	3,401

Regional	—	—	—	—	—	—	—	—	—	—	—	82.2	871	953	8.48	0.21	—	1,227
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	16.0	82.6	98.6	1.64	0.04	—	151
Office Park	—	—	—	—	—	—	—	—	—	—	—	113	583	696	11.6	0.28	—	1,069
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	109	563	672	11.2	0.27	—	1,032
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	85.5	443	528	8.79	0.21	—	811
Total	—	—	—	—	—	—	—	—	—	—	—	895	5,622	6,517	92.1	2.22	—	9,482
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	27.6	687	714	2.87	0.07	—	808
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	104	537	640	10.7	0.26	—	983
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	359	1,856	2,215	36.9	0.89	—	3,401
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	82.2	871	953	8.48	0.21	—	1,227

Pharmacy/Drug store w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	16.0	82.6	98.6	1.64	0.04	—	151
Office Park	—	—	—	—	—	—	—	—	—	—	—	113	583	696	11.6	0.28	—	1,069
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	109	563	672	11.2	0.27	—	1,032
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	85.5	443	528	8.79	0.21	—	811
Total	—	—	—	—	—	—	—	—	—	—	—	895	5,622	6,517	92.1	2.22	—	9,482
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4.57	114	118	0.48	0.01	—	134
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	17.2	88.8	106	1.77	0.04	—	163
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	59.4	307	367	6.11	0.15	—	563
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.6	144	158	1.40	0.03	—	203
Pharmacy/Drug store w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.64	13.7	16.3	0.27	0.01	—	25.1
Office Park	—	—	—	—	—	—	—	—	—	—	—	18.7	96.6	115	1.92	0.05	—	177

Manufacturing	—	—	—	—	—	—	—	—	—	—	—	18.0	93.2	111	1.85	0.04	—	171
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	14.2	73.3	87.5	1.46	0.04	—	134
Total	—	—	—	—	—	—	—	—	—	—	—	148	931	1,079	15.2	0.37	—	1,570

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	165	0.00	165	16.4	0.00	—	576
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	569	0.00	569	56.8	0.00	—	1,990
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1,967	0.00	1,967	197	0.00	—	6,882
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	328	0.00	328	32.8	0.00	—	1,147
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	192	0.00	192	19.2	0.00	—	670

Office Park	—	—	—	—	—	—	—	—	—	—	—	166	0.00	166	16.6	0.00	—	580
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	97.8	0.00	97.8	9.77	0.00	—	342
Total	—	—	—	—	—	—	—	—	—	—	—	3,647	0.00	3,647	365	0.00	—	12,760
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	165	0.00	165	16.4	0.00	—	576
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	569	0.00	569	56.8	0.00	—	1,990
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1,967	0.00	1,967	197	0.00	—	6,882
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	328	0.00	328	32.8	0.00	—	1,147
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	192	0.00	192	19.2	0.00	—	670
Office Park	—	—	—	—	—	—	—	—	—	—	—	166	0.00	166	16.6	0.00	—	580
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574

Refrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	97.8	0.00	97.8	9.77	0.00	—	342
Total	—	—	—	—	—	—	—	—	—	—	—	3,647	0.00	3,647	365	0.00	—	12,760
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	27.2	0.00	27.2	2.72	0.00	—	95.3
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	94.1	0.00	94.1	9.41	0.00	—	329
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	326	0.00	326	32.6	0.00	—	1,139
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	54.3	0.00	54.3	5.42	0.00	—	190
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.17	0.00	—	111
Office Park	—	—	—	—	—	—	—	—	—	—	—	27.5	0.00	27.5	2.74	0.00	—	96.0
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	27.2	0.00	27.2	2.71	0.00	—	95.0
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	16.2	0.00	16.2	1.62	0.00	—	56.6
Total	—	—	—	—	—	—	—	—	—	—	—	604	0.00	604	60.4	0.00	—	2,113

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.31	5.31
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.8	10.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.9	33.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.78	2.78
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.80	0.80
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.9	63.9
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,142	5,142

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,263	5,263
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.31	5.31
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.8	10.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.9	33.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.78	2.78
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.80	0.80
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.9	63.9
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,142	5,142
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,263	5,263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88

Condo/T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79	1.79
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.62	5.62
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46	0.46
Pharmacy/Drugstore w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.6	10.6
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	851	851
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	871	871

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	7/15/2027	5.00	400	—
Site Preparation	Site Preparation	7/16/2027	6/16/2028	5.00	240	—
Grading	Grading	6/17/2028	11/2/2030	5.00	620	—
Building Construction	Building Construction	11/3/2030	8/9/2046	5.00	4,114	—
Paving	Paving	8/10/2046	4/17/2048	5.00	441	—
Architectural Coating	Architectural Coating	4/18/2048	12/25/2049	5.00	440	—

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	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	5,231	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	961	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	1,046	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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%

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	14,159,165	4,719,722	2,199,896	733,299	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	—	—
Site Preparation	—	—	360	0.00	—
Grading	—	—	1,860	0.00	—
Paving	0.00	0.00	0.00	0.00	4.19

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	4.19	0%
Condo/Townhouse	—	0%
Apartments Mid Rise	—	0%
Regional Shopping Center	0.00	0%
Pharmacy/Drugstore w/o Drive Thru	0.00	0%
Office Park	0.00	0%
Manufacturing	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	346	0.03	< 0.005
2027	0.00	346	0.03	< 0.005
2028	0.00	346	0.03	< 0.005
2029	0.00	346	0.03	< 0.005
2030	0.00	261	0.03	< 0.005
2031	0.00	261	0.03	< 0.005
2032	0.00	261	0.03	< 0.005
2033	0.00	261	0.03	< 0.005
2034	0.00	261	0.03	< 0.005
2035	0.00	261	0.03	< 0.005

2036	0.00	261	0.03	< 0.005
2037	0.00	261	0.03	< 0.005
2038	0.00	261	0.03	< 0.005
2039	0.00	261	0.03	< 0.005
2040	0.00	261	0.03	< 0.005
2041	0.00	261	0.03	< 0.005
2042	0.00	261	0.03	< 0.005
2043	0.00	261	0.03	< 0.005
2044	0.00	261	0.03	< 0.005
2045	0.00	261	0.03	< 0.005
2046	0.00	261	0.03	< 0.005
2047	0.00	261	0.03	< 0.005
2048	0.00	261	0.03	< 0.005
2049	0.00	261	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	22,545	22,545	22,545	8,229,030	354,435	354,435	354,435	129,368,901
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pharmacy/Drugstore w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Manufacturing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	380
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	1427
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0

Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4936
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
14159164.5	4,719,722	2,199,896	733,299	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	2,409,307	532	0.0330	0.0040	16,501,795

Condo/Townhouse	6,217,293	532	0.0330	0.0040	42,217,616
Apartments Mid Rise	16,790,507	532	0.0330	0.0040	67,599,353
Regional Shopping Center	5,658,472	532	0.0330	0.0040	3,463,200
Pharmacy/Drugstore w/o Drive Thru	1,155,280	532	0.0330	0.0040	707,075
Office Park	5,844,867	532	0.0330	0.0040	8,783,564
Manufacturing	2,282,234	532	0.0330	0.0040	10,467,518
Refrigerated Warehouse-No Rail	3,541,479	532	0.0330	0.0040	4,730,036

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	14,403,302	70,325,509
Condo/Townhouse	54,088,187	0.00
Apartments Mid Rise	187,091,306	0.00
Regional Shopping Center	42,899,101	57,539,053
Pharmacy/Drugstore w/o Drive Thru	8,329,997	0.00
Office Park	58,797,523	0.00
Manufacturing	56,755,688	0.00
Refrigerated Warehouse-No Rail	44,620,844	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	305	—
Condo/Townhouse	1,055	—

Apartments Mid Rise	3,650	—
Regional Shopping Center	608	—
Pharmacy/Drugstore w/o Drive Thru	356	—
Office Park	308	—
Manufacturing	304	—
Refrigerated Warehouse-No Rail	181	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Pharmacy/Drugstore w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Pharmacy/Drugstore w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.5	annual days of extreme heat
Extreme Precipitation	5.45	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	15.3	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.7
AQ-PM	32.8
AQ-DPM	73.3
Drinking Water	65.5
Lead Risk Housing	38.6
Pesticides	0.00
Toxic Releases	18.3
Traffic	8.45
Effect Indicators	—
CleanUp Sites	28.7
Groundwater	82.9

Haz Waste Facilities/Generators	63.6
Impaired Water Bodies	66.7
Solid Waste	22.1
Sensitive Population	—
Asthma	61.2
Cardio-vascular	27.2
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	13.7
Housing	82.2
Linguistic	17.3
Poverty	49.5
Unemployment	37.7

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	51.23829077
Employed	61.79905043
Median HI	30.83536507
Education	—
Bachelor's or higher	75.04170409
High school enrollment	100
Preschool enrollment	61.41408957
Transportation	—
Auto Access	19.90247658
Active commuting	37.49518799

Social	—
2-parent households	0.076992172
Voting	56.37110227
Neighborhood	—
Alcohol availability	38.43192609
Park access	81.35506224
Retail density	75.82445785
Supermarket access	25.54856923
Tree canopy	61.29860131
Housing	—
Homeownership	14.03823945
Housing habitability	4.555370204
Low-inc homeowner severe housing cost burden	7.981521879
Low-inc renter severe housing cost burden	29.80880277
Uncrowded housing	80.21301168
Health Outcomes	—
Insured adults	17.0537662
Arthritis	36.0
Asthma ER Admissions	39.8
High Blood Pressure	17.2
Cancer (excluding skin)	24.3
Asthma	40.2
Coronary Heart Disease	43.7
Chronic Obstructive Pulmonary Disease	37.6
Diagnosed Diabetes	79.4
Life Expectancy at Birth	12.1
Cognitively Disabled	33.5
Physically Disabled	60.6

Heart Attack ER Admissions	36.7
Mental Health Not Good	57.3
Chronic Kidney Disease	64.9
Obesity	54.0
Pedestrian Injuries	86.8
Physical Health Not Good	61.7
Stroke	58.2
Health Risk Behaviors	—
Binge Drinking	16.3
Current Smoker	58.7
No Leisure Time for Physical Activity	76.1
Climate Change Exposures	—
Wildfire Risk	77.4
SLR Inundation Area	0.0
Children	97.4
Elderly	6.6
English Speaking	98.1
Foreign-born	5.6
Outdoor Workers	89.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	71.9
Traffic Density	25.0
Traffic Access	23.0
Other Indices	—
Hardship	21.2
Other Decision Support	—
2016 Voting	59.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	44.0
Healthy Places Index Score for Project Location (b)	28.0
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

Screen	Justification
Construction: Construction Phases	Adjusted construction schedule to have a buildout date by 2050.
Construction: Architectural Coatings	—
Operations: Vehicle Data	Project-specific VMT.