Off-Road Equipment	0.49	0.43	2.95	10.7	0.02	0.10	—	0.10	0.09	—	0.09	—	2,044	2,044	0.08	0.02	—	2,051
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	0.49	0.43	2.95	10.7	0.02	0.10	—	0.10	0.09	—	0.09	—	2,044	2,044	0.08	0.02	—	2,051
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	0.88	3.20	0.01	0.03	—	0.03	0.03	—	0.03	—	612	612	0.02	< 0.005	—	614
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	0.16	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	—	102
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	0.06	0.06	0.06	0.97	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	0.01	0.01	0.69	206
Vendor	0.32	0.13	4.85	2.34	0.03	0.06	1.21	1.27	0.03	0.33	0.37	—	4,396	4,396	0.18	0.63	11.9	4,599
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	0.06	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	193	193	0.01	0.01	0.02	195

Vendor	0.31	0.13	5.07	2.40	0.03	0.06	1.21	1.27	0.03	0.33	0.37	—	4,398	4,398	0.18	0.63	0.31	4,590
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	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	58.5	58.5	< 0.005	< 0.005	0.09	59.3
Vendor	0.09	0.04	1.53	0.71	0.01	0.02	0.36	0.38	0.01	0.10	0.11	—	1,316	1,316	0.05	0.19	1.53	1,375
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	—	9.69	9.69	< 0.005	< 0.005	0.01	9.82
Vendor	0.02	0.01	0.28	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.25	228
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. Building Construction (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	0.48	0.42	2.91	10.7	0.02	0.09	—	0.09	0.09	—	0.09	—	2,044	2,044	0.08	0.02	—	2,051
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	0.48	0.42	2.91	10.7	0.02	0.09	—	0.09	0.09	—	0.09	—	2,044	2,044	0.08	0.02	—	2,051
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	0.34	0.30	2.08	7.64	0.01	0.07	—	0.07	0.06	—	0.06	—	1,460	1,460	0.06	0.01	—	1,465
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	0.06	0.05	0.38	1.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	242	242	0.01	< 0.005	—	243
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	0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	199	199	0.01	0.01	0.62	202
Vendor	0.28	0.13	4.64	2.21	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,311	4,311	0.18	0.60	11.2	4,504
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	0.06	0.05	0.06	0.76	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	191
Vendor	0.28	0.13	4.83	2.26	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,313	4,313	0.18	0.60	0.29	4,496
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	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	137	137	< 0.005	0.01	0.19	139
Vendor	0.20	0.09	3.47	1.60	0.02	0.02	0.86	0.88	0.02	0.24	0.26	—	3,080	3,080	0.13	0.43	3.47	3,213
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.7	22.7	< 0.005	< 0.005	0.03	23.0

Vendor	0.04	0.02	0.63	0.29	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	510	510	0.02	0.07	0.57	532
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

3.10. Building Construction (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.42	2.91	10.7	0.02	0.09	—	0.09	0.09	—	0.09	—	2,044	2,044	0.08	0.02	—	2,051
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	0.48	0.42	2.91	10.7	0.02	0.09	—	0.09	0.09	—	0.09	—	2,044	2,044	0.08	0.02	—	2,051
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	0.34	0.30	2.08	7.64	0.01	0.07	—	0.07	0.06	—	0.06	—	1,460	1,460	0.06	0.01	—	1,465
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	0.06	0.05	0.38	1.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	242	242	0.01	< 0.005	—	243
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	0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	199	199	0.01	0.01	0.62	202
Vendor	0.28	0.13	4.64	2.21	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,311	4,311	0.18	0.60	11.2	4,504
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	0.06	0.05	0.06	0.76	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	191
Vendor	0.28	0.13	4.83	2.26	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,313	4,313	0.18	0.60	0.29	4,496
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	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	137	137	< 0.005	0.01	0.19	139
Vendor	0.20	0.09	3.47	1.60	0.02	0.02	0.86	0.88	0.02	0.24	0.26	—	3,080	3,080	0.13	0.43	3.47	3,213
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.7	22.7	< 0.005	< 0.005	0.03	23.0
Vendor	0.04	0.02	0.63	0.29	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	510	510	0.02	0.07	0.57	532
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. Building Construction (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	0.46	0.41	2.87	10.7	0.02	0.09	—	0.09	0.08	—	0.08	—	2,045	2,045	0.08	0.02	—	2,052
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	0.46	0.41	2.87	10.7	0.02	0.09	—	0.09	0.08	—	0.08	—	2,045	2,045	0.08	0.02	—	2,052
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	0.33	0.29	2.05	7.65	0.01	0.06	—	0.06	0.06	—	0.06	—	1,465	1,465	0.06	0.01	—	1,470
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	0.06	0.05	0.37	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	242	242	0.01	< 0.005	—	243
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	0.06	0.05	0.05	0.85	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	196	196	< 0.005	0.01	0.56	198
Vendor	0.28	0.10	4.43	2.14	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,210	4,210	0.15	0.59	10.7	4,401
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	0.06	0.05	0.06	0.72	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.01	188

Vendor	0.28	0.09	4.62	2.15	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,213	4,213	0.15	0.60	0.28	4,394
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	0.54	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	135	135	< 0.005	0.01	0.17	137
Vendor	0.20	0.07	3.33	1.52	0.02	0.02	0.86	0.88	0.02	0.24	0.26	—	3,016	3,016	0.11	0.43	3.28	3,149
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	—	22.3	22.3	< 0.005	< 0.005	0.03	22.6
Vendor	0.04	0.01	0.61	0.28	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	499	499	0.02	0.07	0.54	521
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

3.12. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.41	2.87	10.7	0.02	0.09	—	0.09	0.08	—	0.08	—	2,045	2,045	0.08	0.02	—	2,052
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	0.46	0.41	2.87	10.7	0.02	0.09	—	0.09	0.08	—	0.08	—	2,045	2,045	0.08	0.02	—	2,052
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	0.33	0.29	2.05	7.65	0.01	0.06	—	0.06	0.06	—	0.06	—	1,465	1,465	0.06	0.01	—	1,470
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	0.06	0.05	0.37	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	242	242	0.01	< 0.005	—	243
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	0.06	0.05	0.05	0.85	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	196	196	< 0.005	0.01	0.56	198
Vendor	0.28	0.10	4.43	2.14	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,210	4,210	0.15	0.59	10.7	4,401
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	0.06	0.05	0.06	0.72	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.01	188
Vendor	0.28	0.09	4.62	2.15	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,213	4,213	0.15	0.60	0.28	4,394
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	0.54	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	135	135	< 0.005	0.01	0.17	137
Vendor	0.20	0.07	3.33	1.52	0.02	0.02	0.86	0.88	0.02	0.24	0.26	—	3,016	3,016	0.11	0.43	3.28	3,149
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	—	22.3	22.3	< 0.005	< 0.005	0.03	22.6

Vendor	0.04	0.01	0.61	0.28	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	499	499	0.02	0.07	0.54	521
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. Building Construction (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 Equipment	0.45	0.40	2.84	10.7	0.02	0.08	—	0.08	0.08	—	0.08	—	2,044	2,044	0.08	0.02	—	2,052
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	0.45	0.40	2.84	10.7	0.02	0.08	—	0.08	0.08	—	0.08	—	2,044	2,044	0.08	0.02	—	2,052
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	0.24	0.22	1.52	5.70	0.01	0.04	—	0.04	0.04	—	0.04	—	1,092	1,092	0.04	0.01	—	1,096
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	0.04	0.04	0.28	1.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	181	181	0.01	< 0.005	—	181
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	0.06	0.05	0.04	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	192	192	< 0.005	0.01	0.50	195
Vendor	0.28	0.10	4.21	2.03	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,099	4,099	0.15	0.59	10.0	4,289
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	0.05	0.05	0.05	0.67	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	182	182	< 0.005	0.01	0.01	185
Vendor	0.27	0.09	4.41	2.08	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,102	4,102	0.15	0.60	0.26	4,283
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	0.38	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.9	98.9	< 0.005	< 0.005	0.12	100
Vendor	0.15	0.05	2.37	1.10	0.02	0.02	0.64	0.66	0.02	0.18	0.19	—	2,190	2,190	0.08	0.32	2.31	2,289
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	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	0.02	16.6
Vendor	0.03	0.01	0.43	0.20	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	363	363	0.01	0.05	0.38	379
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

3.14. Building Construction (2029) - Mitigated

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

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

Off-Road Equipment	0.45	0.40	2.84	10.7	0.02	0.08	—	0.08	0.08	—	0.08	—	2,044	2,044	0.08	0.02	—	2,052
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	0.45	0.40	2.84	10.7	0.02	0.08	—	0.08	0.08	—	0.08	—	2,044	2,044	0.08	0.02	—	2,052
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	0.24	0.22	1.52	5.70	0.01	0.04	—	0.04	0.04	—	0.04	—	1,092	1,092	0.04	0.01	—	1,096
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	0.04	0.04	0.28	1.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	181	181	0.01	< 0.005	—	181
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	0.06	0.05	0.04	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	192	192	< 0.005	0.01	0.50	195
Vendor	0.28	0.10	4.21	2.03	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,099	4,099	0.15	0.59	10.0	4,289
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	0.05	0.05	0.05	0.67	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	182	182	< 0.005	0.01	0.01	185

Vendor	0.27	0.09	4.41	2.08	0.03	0.03	1.21	1.24	0.03	0.33	0.37	—	4,102	4,102	0.15	0.60	0.26	4,283
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	0.38	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.9	98.9	< 0.005	< 0.005	0.12	100
Vendor	0.15	0.05	2.37	1.10	0.02	0.02	0.64	0.66	0.02	0.18	0.19	—	2,190	2,190	0.08	0.32	2.31	2,289
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	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	0.02	16.6
Vendor	0.03	0.01	0.43	0.20	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	363	363	0.01	0.05	0.38	379
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. Paving (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	0.31	0.26	1.74	1.97	< 0.005	0.07	—	0.07	0.07	—	0.07	—	283	283	0.01	< 0.005	—	284
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	0.31	0.26	1.74	1.97	< 0.005	0.07	—	0.07	0.07	—	0.07	—	283	283	0.01	< 0.005	—	284
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	0.13	0.11	0.73	0.82	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	118
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	0.13	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.6
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	2.86	2.54	2.67	44.5	0.00	0.00	9.01	9.01	0.00	2.11	2.11	—	9,335	9,335	0.39	0.33	31.6	9,474
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	2.86	2.52	3.00	38.0	0.00	0.00	9.01	9.01	0.00	2.11	2.11	—	8,850	8,850	0.40	0.33	0.82	8,958
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	1.19	1.04	1.36	16.6	0.00	0.00	3.73	3.73	0.00	0.87	0.87	—	3,740	3,740	0.17	0.14	5.69	3,790
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	0.22	0.19	0.25	3.02	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	619	619	0.03	0.02	0.94	628
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

3.16. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	1.74	1.97	< 0.005	0.07	—	0.07	0.07	—	0.07	—	283	283	0.01	< 0.005	—	284
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	0.31	0.26	1.74	1.97	< 0.005	0.07	—	0.07	0.07	—	0.07	—	283	283	0.01	< 0.005	—	284
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	0.13	0.11	0.73	0.82	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	118
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	0.13	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.6
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	2.86	2.54	2.67	44.5	0.00	0.00	9.01	9.01	0.00	2.11	2.11	—	9,335	9,335	0.39	0.33	31.6	9,474
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	2.86	2.52	3.00	38.0	0.00	0.00	9.01	9.01	0.00	2.11	2.11	—	8,850	8,850	0.40	0.33	0.82	8,958
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	1.19	1.04	1.36	16.6	0.00	0.00	3.73	3.73	0.00	0.87	0.87	—	3,740	3,740	0.17	0.14	5.69	3,790
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	0.22	0.19	0.25	3.02	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	619	619	0.03	0.02	0.94	628
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

3.17. Architectural Coating (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	54.7	54.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Architectural Coatings	9.86	9.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.98	3.98	< 0.005	< 0.005	—	3.99
Architectural Coatings	1.80	1.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.46	0.45	0.47	6.16	0.00	0.00	1.80	1.80	0.00	0.42	0.42	—	1,679	1,679	0.02	0.07	0.12	1,699
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	0.08	0.08	0.09	1.16	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	307	307	< 0.005	0.01	0.36	311
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	0.02	0.21	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.06	51.4
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

3.18. Architectural Coating (2029) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	54.7	54.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Architectural Coatings	9.86	9.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.98	3.98	< 0.005	< 0.005	—	3.99
Architectural Coatings	1.80	1.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.46	0.45	0.47	6.16	0.00	0.00	1.80	1.80	0.00	0.42	0.42	—	1,679	1,679	0.02	0.07	0.12	1,699

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	0.08	0.08	0.09	1.16	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	307	307	< 0.005	0.01	0.36	311
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	0.02	0.21	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.06	51.4
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

3.19. Architectural Coating (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	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	54.7	54.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.36	8.36	< 0.005	< 0.005	—	8.39
Architectural Coatings	3.43	3.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.38	1.38	< 0.005	< 0.005	—	1.39
Architectural Coatings	0.63	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.44	0.43	0.41	5.76	0.00	0.00	1.80	1.80	0.00	0.42	0.42	—	1,652	1,652	0.02	0.07	0.11	1,672
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	0.38	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.11	106
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	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6

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

3.20. Architectural Coating (2030) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	54.7	54.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.36	8.36	< 0.005	< 0.005	—	8.39
Architectural Coatings	3.43	3.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.38	1.38	< 0.005	< 0.005	—	1.39

Architect Coatings	0.63	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.44	0.43	0.41	5.76	0.00	0.00	1.80	1.80	0.00	0.42	0.42	—	1,652	1,652	0.02	0.07	0.11	1,672
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	0.38	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.11	106
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	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.53	0.48	0.33	4.06	0.01	0.01	1.03	1.04	0.01	0.26	0.27	—	1,067	1,067	0.05	0.04	2.38	1,083
Apartments Mid Rise	6.84	6.22	4.25	52.4	0.13	0.08	13.3	13.4	0.07	3.38	3.45	—	13,771	13,771	0.62	0.53	30.7	13,975
Strip Mall	13.5	12.2	9.01	113	0.30	0.16	29.6	29.8	0.15	7.53	7.68	—	30,600	30,600	1.30	1.13	68.5	31,038
Hotel	2.24	2.02	1.49	18.8	0.05	0.03	4.91	4.93	0.03	1.25	1.27	—	5,064	5,064	0.21	0.19	11.3	5,136
City Park	0.29	0.26	0.19	2.43	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.16	—	657	657	0.03	0.02	1.47	666
Total	23.4	21.2	15.3	191	0.50	0.28	49.5	49.8	0.26	12.6	12.8	—	51,159	51,159	2.21	1.91	114	51,898
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.53	0.48	0.36	3.75	0.01	0.01	1.03	1.04	0.01	0.26	0.27	—	1,023	1,023	0.05	0.04	0.06	1,037
Apartments Mid Rise	6.79	6.16	4.64	48.4	0.13	0.08	13.3	13.4	0.07	3.38	3.45	—	13,205	13,205	0.64	0.55	0.80	13,387
Strip Mall	13.4	12.1	9.85	104	0.29	0.16	29.6	29.8	0.15	7.53	7.68	—	29,334	29,334	1.34	1.19	1.78	29,723
Hotel	2.22	2.00	1.63	17.2	0.05	0.03	4.91	4.93	0.03	1.25	1.27	—	4,854	4,854	0.22	0.20	0.29	4,919
City Park	0.29	0.26	0.21	2.23	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.16	—	630	630	0.03	0.03	0.04	638
Total	23.3	21.0	16.7	175	0.48	0.28	49.5	49.8	0.26	12.6	12.8	—	49,046	49,046	2.29	2.00	2.96	49,703
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.10	0.09	0.07	0.70	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	171	171	0.01	0.01	0.17	174

Apartments	1.23	1.11	0.85	9.06	0.02	0.01	2.41	2.43	0.01	0.61	0.63	—	2,211	2,211	0.11	0.09	2.19	2,244
Strip Mall	2.43	2.19	1.81	19.5	0.05	0.03	5.38	5.41	0.03	1.37	1.40	—	4,913	4,913	0.22	0.20	4.89	4,982
Hotel	0.40	0.36	0.30	3.22	0.01	< 0.005	0.89	0.90	< 0.005	0.23	0.23	—	813	813	0.04	0.03	0.81	824
City Park	0.05	0.05	0.04	0.42	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	105	105	< 0.005	< 0.005	0.11	107
Total	4.21	3.80	3.07	32.9	0.09	0.05	8.99	9.04	0.05	2.28	2.33	—	8,214	8,214	0.38	0.33	8.17	8,331

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.53	0.48	0.33	4.06	0.01	0.01	1.03	1.04	0.01	0.26	0.27	—	1,067	1,067	0.05	0.04	2.38	1,083
Apartments Mid Rise	6.84	6.22	4.25	52.4	0.13	0.08	13.3	13.4	0.07	3.38	3.45	—	13,771	13,771	0.62	0.53	30.7	13,975
Strip Mall	13.5	12.2	9.01	113	0.30	0.16	29.6	29.8	0.15	7.53	7.68	—	30,600	30,600	1.30	1.13	68.5	31,038
Hotel	2.24	2.02	1.49	18.8	0.05	0.03	4.91	4.93	0.03	1.25	1.27	—	5,064	5,064	0.21	0.19	11.3	5,136
City Park	0.29	0.26	0.19	2.43	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.16	—	657	657	0.03	0.02	1.47	666
Total	23.4	21.2	15.3	191	0.50	0.28	49.5	49.8	0.26	12.6	12.8	—	51,159	51,159	2.21	1.91	114	51,898
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.53	0.48	0.36	3.75	0.01	0.01	1.03	1.04	0.01	0.26	0.27	—	1,023	1,023	0.05	0.04	0.06	1,037

Apartments Mid Rise	6.79	6.16	4.64	48.4	0.13	0.08	13.3	13.4	0.07	3.38	3.45	—	13,205	13,205	0.64	0.55	0.80	13,387
Strip Mall	13.4	12.1	9.85	104	0.29	0.16	29.6	29.8	0.15	7.53	7.68	—	29,334	29,334	1.34	1.19	1.78	29,723
Hotel	2.22	2.00	1.63	17.2	0.05	0.03	4.91	4.93	0.03	1.25	1.27	—	4,854	4,854	0.22	0.20	0.29	4,919
City Park	0.29	0.26	0.21	2.23	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.16	—	630	630	0.03	0.03	0.04	638
Total	23.3	21.0	16.7	175	0.48	0.28	49.5	49.8	0.26	12.6	12.8	—	49,046	49,046	2.29	2.00	2.96	49,703
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.10	0.09	0.07	0.70	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	171	171	0.01	0.01	0.17	174
Apartments Mid Rise	1.23	1.11	0.85	9.06	0.02	0.01	2.41	2.43	0.01	0.61	0.63	—	2,211	2,211	0.11	0.09	2.19	2,244
Strip Mall	2.43	2.19	1.81	19.5	0.05	0.03	5.38	5.41	0.03	1.37	1.40	—	4,913	4,913	0.22	0.20	4.89	4,982
Hotel	0.40	0.36	0.30	3.22	0.01	< 0.005	0.89	0.90	< 0.005	0.23	0.23	—	813	813	0.04	0.03	0.81	824
City Park	0.05	0.05	0.04	0.42	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	105	105	< 0.005	< 0.005	0.11	107
Total	4.21	3.80	3.07	32.9	0.09	0.05	8.99	9.04	0.05	2.28	2.33	—	8,214	8,214	0.38	0.33	8.17	8,331

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	803	803	0.05	0.01	—	806

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	3,473	3,473	0.22	0.03	—	3,486
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	1,147	1,147	0.07	0.01	—	1,152
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	4,442	4,442	0.28	0.03	—	4,459
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,865	9,865	0.61	0.07	—	9,903
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	803	803	0.05	0.01	—	806
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,473	3,473	0.22	0.03	—	3,486
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	1,147	1,147	0.07	0.01	—	1,152
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	4,442	4,442	0.28	0.03	—	4,459
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,865	9,865	0.61	0.07	—	9,903
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	133
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	575	575	0.04	< 0.005	—	577
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	190	190	0.01	< 0.005	—	191
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	735	735	0.05	0.01	—	738
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,633	1,633	0.10	0.01	—	1,640

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	803	803	0.05	0.01	—	806
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,473	3,473	0.22	0.03	—	3,486
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	1,147	1,147	0.07	0.01	—	1,152
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	4,442	4,442	0.28	0.03	—	4,459
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,865	9,865	0.61	0.07	—	9,903
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	803	803	0.05	0.01	—	806
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,473	3,473	0.22	0.03	—	3,486
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	1,147	1,147	0.07	0.01	—	1,152
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	4,442	4,442	0.28	0.03	—	4,459
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,865	9,865	0.61	0.07	—	9,903
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhous	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	133
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	575	575	0.04	< 0.005	—	577
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	190	190	0.01	< 0.005	—	191
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	735	735	0.05	0.01	—	738
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,633	1,633	0.10	0.01	—	1,640

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.73	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	924	924	0.08	< 0.005	—	927
Apartments Mid Rise	0.21	0.11	1.82	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,314	2,314	0.20	< 0.005	—	2,320
Strip Mall	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	154
Hotel	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,015	2,015	0.18	< 0.005	—	2,021
City 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
Total	0.50	0.25	4.37	2.61	0.03	0.34	—	0.34	0.34	—	0.34	—	5,407	5,407	0.48	0.01	—	5,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhouse	0.09	0.04	0.73	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	924	924	0.08	< 0.005	—	927
Apartments Mid Rise	0.21	0.11	1.82	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,314	2,314	0.20	< 0.005	—	2,320
Strip Mall	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	154
Hotel	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,015	2,015	0.18	< 0.005	—	2,021
City 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
Total	0.50	0.25	4.37	2.61	0.03	0.34	—	0.34	0.34	—	0.34	—	5,407	5,407	0.48	0.01	—	5,422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.13	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	153
Apartments Mid Rise	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	383	383	0.03	< 0.005	—	384
Strip Mall	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.5
Hotel	0.03	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	334	334	0.03	< 0.005	—	335
City 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
Total	0.09	0.05	0.80	0.48	< 0.005	0.06	—	0.06	0.06	—	0.06	—	895	895	0.08	< 0.005	—	898

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.73	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	924	924	0.08	< 0.005	—	927

Apartme Mid Rise	0.21	0.11	1.82	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,314	2,314	0.20	< 0.005	—	2,320
Strip Mall	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	154
Hotel	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,015	2,015	0.18	< 0.005	—	2,021
City 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
Total	0.50	0.25	4.37	2.61	0.03	0.34	—	0.34	0.34	—	0.34	—	5,407	5,407	0.48	0.01	—	5,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.73	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	924	924	0.08	< 0.005	—	927
Apartments Mid Rise	0.21	0.11	1.82	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,314	2,314	0.20	< 0.005	—	2,320
Strip Mall	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	154
Hotel	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,015	2,015	0.18	< 0.005	—	2,021
City 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
Total	0.50	0.25	4.37	2.61	0.03	0.34	—	0.34	0.34	—	0.34	—	5,407	5,407	0.48	0.01	—	5,422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.13	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	153
Apartments Mid Rise	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	383	383	0.03	< 0.005	—	384
Strip Mall	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.5
Hotel	0.03	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	334	334	0.03	< 0.005	—	335
City 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
Total	0.09	0.05	0.80	0.48	< 0.005	0.06	—	0.06	0.06	—	0.06	—	895	895	0.08	< 0.005	—	898

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	1.35	0.67	11.5	4.89	0.07	0.93	—	0.93	0.93	—	0.93	0.00	14,592	14,592	0.27	0.03	—	14,607
Consumer Products	22.5	22.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.35	1.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.30	5.91	0.52	56.8	< 0.005	0.04	—	0.04	0.03	—	0.03	—	170	170	0.01	< 0.005	—	171
Total	31.5	30.5	12.0	61.7	0.08	0.97	—	0.97	0.96	—	0.96	0.00	14,762	14,762	0.28	0.03	—	14,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.35	0.67	11.5	4.89	0.07	0.93	—	0.93	0.93	—	0.93	0.00	14,592	14,592	0.27	0.03	—	14,607
Consumer Products	22.5	22.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.35	1.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	25.2	24.6	11.5	4.89	0.07	0.93	—	0.93	0.93	—	0.93	0.00	14,592	14,592	0.27	0.03	—	14,607
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	165	165	< 0.005	< 0.005	—	166

Consum Products	4.11	4.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	0.25	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.79	0.74	0.06	7.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	19.3	19.3	< 0.005	< 0.005	—	19.4
Total	5.16	5.11	0.21	7.16	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	185	185	< 0.005	< 0.005	—	185

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.35	0.67	11.5	4.89	0.07	0.93	—	0.93	0.93	—	0.93	0.00	14,592	14,592	0.27	0.03	—	14,607
Consum er Products	22.5	22.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	1.35	1.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	6.30	5.91	0.52	56.8	< 0.005	0.04	—	0.04	0.03	—	0.03	—	170	170	0.01	< 0.005	—	171
Total	31.5	30.5	12.0	61.7	0.08	0.97	—	0.97	0.96	—	0.96	0.00	14,762	14,762	0.28	0.03	—	14,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.35	0.67	11.5	4.89	0.07	0.93	—	0.93	0.93	—	0.93	0.00	14,592	14,592	0.27	0.03	—	14,607

Consumer	22.5	22.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.35	1.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	25.2	24.6	11.5	4.89	0.07	0.93	—	0.93	0.93	—	0.93	0.00	14,592	14,592	0.27	0.03	—	14,607
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	165	165	< 0.005	< 0.005	—	166
Consumer Products	4.11	4.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.25	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.79	0.74	0.06	7.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	19.3	19.3	< 0.005	< 0.005	—	19.4
Total	5.16	5.11	0.21	7.16	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	185	185	< 0.005	< 0.005	—	185

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	8.57	44.4	52.9	0.88	0.02	—	81.3

Apartments	—	—	—	—	—	—	—	—	—	—	—	46.4	240	287	4.78	0.11	—	440
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.4	58.9	70.3	1.17	0.03	—	108
Hotel	—	—	—	—	—	—	—	—	—	—	—	7.29	37.8	45.0	0.75	0.02	—	69.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	38.0	38.0	< 0.005	< 0.005	—	38.2
Total	—	—	—	—	—	—	—	—	—	—	—	73.7	419	493	7.58	0.18	—	737
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	8.57	44.4	52.9	0.88	0.02	—	81.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	46.4	240	287	4.78	0.11	—	440
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.4	58.9	70.3	1.17	0.03	—	108
Hotel	—	—	—	—	—	—	—	—	—	—	—	7.29	37.8	45.0	0.75	0.02	—	69.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	38.0	38.0	< 0.005	< 0.005	—	38.2
Total	—	—	—	—	—	—	—	—	—	—	—	73.7	419	493	7.58	0.18	—	737
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.42	7.35	8.77	0.15	< 0.005	—	13.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.69	39.8	47.5	0.79	0.02	—	72.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.88	9.75	11.6	0.19	< 0.005	—	17.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.21	6.25	7.46	0.12	< 0.005	—	11.5
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	6.29	6.29	< 0.005	< 0.005	—	6.32
Total	—	—	—	—	—	—	—	—	—	—	—	12.2	69.4	81.6	1.25	0.03	—	122

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	8.57	44.4	52.9	0.88	0.02	—	81.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	46.4	240	287	4.78	0.11	—	440
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.4	58.9	70.3	1.17	0.03	—	108
Hotel	—	—	—	—	—	—	—	—	—	—	—	7.29	37.8	45.0	0.75	0.02	—	69.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	38.0	38.0	< 0.005	< 0.005	—	38.2
Total	—	—	—	—	—	—	—	—	—	—	—	73.7	419	493	7.58	0.18	—	737
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	8.57	44.4	52.9	0.88	0.02	—	81.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	46.4	240	287	4.78	0.11	—	440
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.4	58.9	70.3	1.17	0.03	—	108
Hotel	—	—	—	—	—	—	—	—	—	—	—	7.29	37.8	45.0	0.75	0.02	—	69.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	38.0	38.0	< 0.005	< 0.005	—	38.2
Total	—	—	—	—	—	—	—	—	—	—	—	73.7	419	493	7.58	0.18	—	737
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhous	—	—	—	—	—	—	—	—	—	—	—	1.42	7.35	8.77	0.15	< 0.005	—	13.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.69	39.8	47.5	0.79	0.02	—	72.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.88	9.75	11.6	0.19	< 0.005	—	17.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.21	6.25	7.46	0.12	< 0.005	—	11.5
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	6.29	6.29	< 0.005	< 0.005	—	6.32
Total	—	—	—	—	—	—	—	—	—	—	—	12.2	69.4	81.6	1.25	0.03	—	122

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	47.8	0.00	47.8	4.78	0.00	—	167
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	259	0.00	259	25.9	0.00	—	906
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.53	0.00	—	159
Hotel	—	—	—	—	—	—	—	—	—	—	—	44.3	0.00	44.3	4.42	0.00	—	155
City Park	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.59
Total	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.6	0.00	—	1,388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	—	—	—	—	—	—	—	—	—	—	—	47.8	0.00	47.8	4.78	0.00	—	167
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	259	0.00	259	25.9	0.00	—	906
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.53	0.00	—	159
Hotel	—	—	—	—	—	—	—	—	—	—	—	44.3	0.00	44.3	4.42	0.00	—	155
City Park	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.59
Total	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.6	0.00	—	1,388
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.79	0.00	—	27.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	42.9	0.00	42.9	4.29	0.00	—	150
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	7.51	0.00	7.51	0.75	0.00	—	26.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	7.33	0.00	7.33	0.73	0.00	—	25.6
City Park	—	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	0.00	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.56	0.00	—	230

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	23.9	0.00	23.9	2.39	0.00	—	83.6

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	130	0.00	130	12.9	0.00	—	453
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	22.7	0.00	22.7	2.27	0.00	—	79.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.08	0.00	0.08	0.01	0.00	—	0.29
Total	—	—	—	—	—	—	—	—	—	—	—	198	0.00	198	19.8	0.00	—	694
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	23.9	0.00	23.9	2.39	0.00	—	83.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	130	0.00	130	12.9	0.00	—	453
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	22.7	0.00	22.7	2.27	0.00	—	79.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.08	0.00	0.08	0.01	0.00	—	0.29
Total	—	—	—	—	—	—	—	—	—	—	—	198	0.00	198	19.8	0.00	—	694
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	3.96	0.00	3.96	0.40	0.00	—	13.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	21.4	0.00	21.4	2.14	0.00	—	75.0
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	3.75	0.00	3.75	0.38	0.00	—	13.1
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.66	0.00	3.66	0.37	0.00	—	12.8
City Park	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	0.00	—	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	32.8	0.00	32.8	3.28	0.00	—	115

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.91	0.91
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.47	4.47
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	346	346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.91	0.91
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.47	4.47
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	346	346

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74	0.74
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.4	56.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.3	57.3

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.91	0.91
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.47	4.47
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	346	346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.91	0.91
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.47	4.47
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	346	346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.74	0.74
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.4	56.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.3	57.3

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

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

4.9. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	8/31/2024	5.00	131	—
Grading	Grading	9/1/2024	2/1/2025	5.00	110	—
Building Construction	Building Construction	8/1/2026	9/30/2029	5.00	825	—
Paving	Paving	1/1/2026	8/1/2026	5.00	152	—
Architectural Coating	Architectural Coating	10/1/2029	2/1/2030	5.00	90.0	—

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	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	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	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	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

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	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	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	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	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	69.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	79.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	15.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	141	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	689	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	138	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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	69.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	79.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	15.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	141	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	689	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	138	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

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,493,964	497,988	99,971	33,324	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	90,586	—
Grading	60,510	0.00	330	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Hotel	0.00	0%
City Park	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
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005
2030	0.00	532	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
Condo/Townhouse	174	174	174	63,510	1,452	1,452	1,452	529,823
Apartments Mid Rise	2,246	2,246	2,246	819,699	18,735	18,735	18,735	6,838,218
Strip Mall	4,242	4,242	4,242	1,548,396	41,798	41,798	41,798	15,256,378
Hotel	702	702	702	256,230	6,917	6,917	6,917	2,524,640
City Park	91.0	91.0	91.0	33,231	897	897	897	327,423

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	174	174	174	63,510	1,452	1,452	1,452	529,823
Apartments Mid Rise	2,246	2,246	2,246	819,699	18,735	18,735	18,735	6,838,218
Strip Mall	4,242	4,242	4,242	1,548,396	41,798	41,798	41,798	15,256,378

Hotel	702	702	702	256,230	6,917	6,917	6,917	2,524,640
City Park	91.0	91.0	91.0	33,231	897	897	897	327,423

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	108
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	12
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	585
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	65

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	108

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	12
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	585
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	65

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)
1493964	497,988	99,971	33,324	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	551,060	532	0.0330	0.0040	2,883,643
Apartments Mid Rise	2,382,792	532	0.0330	0.0040	7,219,448
Strip Mall	787,153	532	0.0330	0.0040	479,836
Hotel	3,047,828	532	0.0330	0.0040	6,288,256
City Park	0.00	532	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	551,060	532	0.0330	0.0040	2,883,643
Apartments Mid Rise	2,382,792	532	0.0330	0.0040	7,219,448
Strip Mall	787,153	532	0.0330	0.0040	479,836
Hotel	3,047,828	532	0.0330	0.0040	6,288,256
City Park	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	4,472,856	0.00
Apartments Mid Rise	24,227,970	0.00
Strip Mall	5,936,690	0.00
Hotel	3,805,016	0.00
City Park	0.00	4,914,438

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	4,472,856	0.00
Apartments Mid Rise	24,227,970	0.00
Strip Mall	5,936,690	0.00
Hotel	3,805,016	0.00
City Park	0.00	4,914,438

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	88.7	—
Apartments Mid Rise	481	—
Strip Mall	84.2	—
Hotel	82.1	—
City Park	0.31	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	44.3	—
Apartments Mid Rise	240	—
Strip Mall	42.1	—
Hotel	41.1	—
City Park	0.16	—

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
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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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

5.15.2. Mitigated

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

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

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	10.4	annual days of extreme heat

Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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	48.5
AQ-PM	74.2
AQ-DPM	81.5
Drinking Water	73.2
Lead Risk Housing	66.4
Pesticides	0.00

Toxic Releases	89.9
Traffic	88.2
Effect Indicators	—
CleanUp Sites	78.2
Groundwater	68.5
Haz Waste Facilities/Generators	83.2
Impaired Water Bodies	0.00
Solid Waste	93.7
Sensitive Population	—
Asthma	56.4
Cardio-vascular	84.9
Low Birth Weights	70.6
Socioeconomic Factor Indicators	—
Education	63.4
Housing	21.6
Linguistic	75.5
Poverty	31.7
Unemployment	45.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	55.02373925
Employed	68.38188118
Median HI	66.36725266
Education	—

Bachelor's or higher	42.08905428
High school enrollment	100
Preschool enrollment	57.52598486
Transportation	—
Auto Access	52.9449506
Active commuting	50.73784165
Social	—
2-parent households	16.56614911
Voting	33.77389965
Neighborhood	—
Alcohol availability	61.76055434
Park access	81.35506224
Retail density	62.18401129
Supermarket access	28.55126395
Tree canopy	45.60503016
Housing	—
Homeownership	52.34184525
Housing habitability	68.99781856
Low-inc homeowner severe housing cost burden	95.8039266
Low-inc renter severe housing cost burden	89.27242397
Uncrowded housing	14.98780957
Health Outcomes	—
Insured adults	55.78082895
Arthritis	82.7
Asthma ER Admissions	38.2
High Blood Pressure	85.1
Cancer (excluding skin)	71.8

Asthma	76.7
Coronary Heart Disease	69.4
Chronic Obstructive Pulmonary Disease	76.7
Diagnosed Diabetes	41.8
Life Expectancy at Birth	72.8
Cognitively Disabled	48.3
Physically Disabled	80.2
Heart Attack ER Admissions	14.0
Mental Health Not Good	50.5
Chronic Kidney Disease	64.9
Obesity	47.2
Pedestrian Injuries	52.3
Physical Health Not Good	46.9
Stroke	70.4
Health Risk Behaviors	—
Binge Drinking	45.1
Current Smoker	56.8
No Leisure Time for Physical Activity	43.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	32.5
Elderly	53.8
English Speaking	11.1
Foreign-born	72.5
Outdoor Workers	52.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	16.6
Traffic Density	80.1
Traffic Access	23.0
Other Indices	—
Hardship	66.0
Other Decision Support	—
2016 Voting	20.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	54.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	City Park = 1.56-acre park and 2.06 acres of linear parks - 3.62 acres = 157687.2 sq ft Residential Apartments Mid Rise = 650 Units (342 Market + 308 Affordable [PD]) Hotel= 150 rooms Retail Strip Mall = 80,147 SF (PD) 66,647 sf of neighborhood commercial center + 13,500 sf of residential block combined commercial (ground floor)
Construction: Construction Phases	Per Updated AQ Construction Questionnaire
Construction: Trips and VMT	Per Updated AQ Construction Questionnaire and Traffic Study Analysis Total hauling trips divided by construction days
Construction: Architectural Coatings	Per SCAQMD Rule 1113
Operations: Vehicle Data	Per Trip Generation Standardization
Operations: Fleet Mix	Updated Fleet Mix per Trip Distribution Calculations
Operations: Architectural Coatings	Per SCAQMD Rule 1113
Operations: Energy Use	Per Project Description: No Natural Gas consumption
Operations: Hearths	SCAQMD Rule 445
Construction: Off-Road Equipment	All equipment above 200 hp has been modeled with Tier 4 engine

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** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/1/2024
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Village Construction.ADI
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** AERMOD Control Pathway
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CO FINISHED
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** AERMOD Source Pathway
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SRCPARAM L0000209     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000210     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000211     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000212     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000213     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000214     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000215     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000216     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000217     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000218     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000219     0.000000000003      3.63     13.85      3.38
SRCPARAM L0000220     0.000000000003      3.63     13.85      3.38
```

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   SRCPARAM L0000221     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000222     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000223     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000224     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000225     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000226     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000227     0.000000000003      3.63     13.85      3.38
   SRCPARAM L0000228     0.000000000003      3.63     13.85      3.38
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Norwalk Transit Village Construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PicoRiveraADJU\PICO_V9_ADJU\PICO_v9.SFC
   PROFFILE PicoRiveraADJU\PICO_V9_ADJU\PICO_v9.PFL
   SURFDATA 3166 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 10.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Norwalk Transit Village Construction.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "Norwalk Transit Village Construction.AD\PE00GALL.PLT" 32
   SUMMFILE "Norwalk Transit Village Construction.sum"
OU FINISHED
```

```
  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     334       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     334       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Norwalk Transit
Village Construction\Norwalk Tr ***        07/01/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:40:32

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                           ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   115 Source(s),
```

```
        for Total of    1 Urban Area(s):
   Urban Population =    101496.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    115 Source(s);       1 Source Group(s); and    1268
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    114 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    10.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000115	0	0.30000E-11	401578.8	3752143.0	27.7	3.63	13.85	3.38	YES		NO
L0000116	0	0.30000E-11	401579.0	3752172.8	27.7	3.63	13.85	3.38	YES		NO
L0000117	0	0.30000E-11	401579.2	3752202.6	27.8	3.63	13.85	3.38	YES		NO
L0000118	0	0.30000E-11	401579.4	3752232.4	28.0	3.63	13.85	3.38	YES		NO
L0000119	0	0.30000E-11	401579.6	3752262.1	28.2	3.63	13.85	3.38	YES		NO
L0000120	0	0.30000E-11	401579.8	3752291.9	28.4	3.63	13.85	3.38	YES		NO
L0000121	0	0.30000E-11	401580.0	3752321.7	28.5	3.63	13.85	3.38	YES		NO
L0000122	0	0.30000E-11	401580.2	3752351.4	28.7	3.63	13.85	3.38	YES		NO
L0000123	0	0.30000E-11	401580.4	3752381.2	28.8	3.63	13.85	3.38	YES		NO
L0000124	0	0.30000E-11	401580.6	3752411.0	28.9	3.63	13.85	3.38	YES		NO

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 L0000125         0   0.30000E-11  401580.8 3752440.7    29.1     3.63    13.85
3.38     YES                  NO
 L0000126         0   0.30000E-11  401580.9 3752470.5    29.2     3.63    13.85
3.38     YES                  NO
 L0000127         0   0.30000E-11  401581.1 3752500.3    29.4     3.63    13.85
3.38     YES                  NO
 L0000128         0   0.30000E-11  401581.3 3752530.0    29.6     3.63    13.85
3.38     YES                  NO
 L0000129         0   0.30000E-11  401581.5 3752559.8    29.6     3.63    13.85
3.38     YES                  NO
 L0000130         0   0.30000E-11  401581.7 3752589.6    29.8     3.63    13.85
3.38     YES                  NO
 L0000131         0   0.30000E-11  401581.9 3752619.4    30.0     3.63    13.85
3.38     YES                  NO
 L0000132         0   0.30000E-11  401582.1 3752649.1    30.0     3.63    13.85
3.38     YES                  NO
 L0000133         0   0.30000E-11  401582.3 3752678.9    30.1     3.63    13.85
3.38     YES                  NO
 L0000134         0   0.30000E-11  401582.5 3752708.7    30.2     3.63    13.85
3.38     YES                  NO
 L0000135         0   0.30000E-11  401582.7 3752738.4    30.3     3.63    13.85
3.38     YES                  NO
 L0000136         0   0.30000E-11  401582.9 3752768.2    30.4     3.63    13.85
3.38     YES                  NO
 L0000137         0   0.30000E-11  401583.1 3752798.0    30.4     3.63    13.85
3.38     YES                  NO
 L0000138         0   0.30000E-11  401583.3 3752827.7    30.4     3.63    13.85
3.38     YES                  NO
 L0000139         0   0.30000E-11  401583.4 3752857.5    30.5     3.63    13.85
3.38     YES                  NO
 L0000140         0   0.30000E-11  401583.6 3752887.3    30.7     3.63    13.85
3.38     YES                  NO
 L0000141         0   0.30000E-11  401583.8 3752917.0    30.7     3.63    13.85
3.38     YES                  NO
 L0000142         0   0.30000E-11  401584.0 3752946.8    30.7     3.63    13.85
3.38     YES                  NO
 L0000143         0   0.30000E-11  401584.2 3752976.6    30.7     3.63    13.85
3.38     YES                  NO
 L0000144         0   0.30000E-11  401584.4 3753006.4    30.8     3.63    13.85
3.38     YES                  NO
 L0000145         0   0.30000E-11  401584.6 3753036.1    30.8     3.63    13.85
3.38     YES                  NO
 L0000146         0   0.30000E-11  401584.8 3753065.9    31.0     3.63    13.85
3.38     YES                  NO
 L0000147         0   0.30000E-11  401585.0 3753095.7    31.0     3.63    13.85
3.38     YES                  NO
 L0000148         0   0.30000E-11  401585.2 3753125.4    31.1     3.63    13.85
3.38     YES                  NO
 L0000149         0   0.30000E-11  401585.4 3753155.2    31.2     3.63    13.85
3.38     YES                  NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000150	0	0.30000E-11	401585.6	3753185.0	31.3	3.63	13.85	3.38	YES	NO	
L0000151	0	0.30000E-11	401588.2	3753214.3	31.4	3.63	13.85	3.38	YES	NO	
L0000152	0	0.30000E-11	401598.0	3753242.4	31.6	3.63	13.85	3.38	YES	NO	
L0000153	0	0.30000E-11	401607.9	3753270.5	31.9	3.63	13.85	3.38	YES	NO	
L0000154	0	0.30000E-11	401617.8	3753298.6	32.4	3.63	13.85	3.38	YES	NO	
L0000155	0	0.30000E-11	401627.6	3753326.7	33.0	3.63	13.85	3.38	YES	NO	
L0000156	0	0.30000E-11	401637.5	3753354.8	33.4	3.63	13.85	3.38	YES	NO	
L0000157	0	0.30000E-11	401646.3	3753383.0	33.7	3.63	13.85	3.38	YES	NO	
L0000158	0	0.30000E-11	401647.0	3753412.8	34.0	3.63	13.85	3.38	YES	NO	
L0000159	0	0.30000E-11	401647.8	3753442.6	34.2	3.63	13.85	3.38	YES	NO	
L0000160	0	0.30000E-11	401648.5	3753472.3	34.7	3.63	13.85	3.38	YES	NO	
L0000161	0	0.30000E-11	400910.9	3753491.8	32.8	3.63	13.85	3.38	YES	NO	
L0000162	0	0.30000E-11	400940.7	3753491.6	32.8	3.63	13.85	3.38	YES	NO	
L0000163	0	0.30000E-11	400970.5	3753491.3	32.7	3.63	13.85	3.38	YES	NO	
L0000164	0	0.30000E-11	401000.2	3753491.0	32.6	3.63	13.85	3.38	YES	NO	

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 L0000165         0   0.30000E-11  401030.0 3753490.7    32.6     3.63    13.85
3.38     YES                   NO
 L0000166         0   0.30000E-11  401059.8 3753490.5    32.6     3.63    13.85
3.38     YES                   NO
 L0000167         0   0.30000E-11  401089.5 3753490.2    32.6     3.63    13.85
3.38     YES                   NO
 L0000168         0   0.30000E-11  401119.3 3753489.9    32.5     3.63    13.85
3.38     YES                   NO
 L0000169         0   0.30000E-11  401149.1 3753489.7    32.5     3.63    13.85
3.38     YES                   NO
 L0000170         0   0.30000E-11  401178.9 3753489.4    32.5     3.63    13.85
3.38     YES                   NO
 L0000171         0   0.30000E-11  401208.6 3753489.1    32.3     3.63    13.85
3.38     YES                   NO
 L0000172         0   0.30000E-11  401238.4 3753488.9    32.3     3.63    13.85
3.38     YES                   NO
 L0000173         0   0.30000E-11  401268.2 3753488.6    32.2     3.63    13.85
3.38     YES                   NO
 L0000174         0   0.30000E-11  401297.9 3753488.3    32.3     3.63    13.85
3.38     YES                   NO
 L0000175         0   0.30000E-11  401327.7 3753488.1    32.3     3.63    13.85
3.38     YES                   NO
 L0000176         0   0.30000E-11  401357.5 3753487.8    32.3     3.63    13.85
3.38     YES                   NO
 L0000177         0   0.30000E-11  401387.2 3753487.5    32.2     3.63    13.85
3.38     YES                   NO
 L0000178         0   0.30000E-11  401417.0 3753487.3    32.3     3.63    13.85
3.38     YES                   NO
 L0000179         0   0.30000E-11  401446.8 3753487.0    32.8     3.63    13.85
3.38     YES                   NO
 L0000180         0   0.30000E-11  401476.5 3753486.7    33.1     3.63    13.85
3.38     YES                   NO
 L0000181         0   0.30000E-11  401506.3 3753486.4    33.4     3.63    13.85
3.38     YES                   NO
 L0000182         0   0.30000E-11  401536.1 3753486.2    33.7     3.63    13.85
3.38     YES                   NO
 L0000183         0   0.30000E-11  401565.8 3753485.9    33.9     3.63    13.85
3.38     YES                   NO
 L0000184         0   0.30000E-11  401595.6 3753485.6    34.3     3.63    13.85
3.38     YES                   NO
 L0000185         0   0.30000E-11  401625.4 3753485.4    34.5     3.63    13.85
3.38     YES                   NO
 L0000186         0   0.30000E-11  401655.2 3753485.1    34.8     3.63    13.85
3.38     YES                   NO
 L0000187         0   0.30000E-11  401684.9 3753484.8    34.6     3.63    13.85
3.38     YES                   NO
 L0000188         0   0.30000E-11  401714.7 3753484.6    34.5     3.63    13.85
3.38     YES                   NO
 L0000189         0   0.30000E-11  401744.5 3753484.3    34.5     3.63    13.85
3.38     YES                   NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY	AIRCRAFT
L0000190	0	0.30000E-11	401774.2	3753484.0	34.4	3.63	13.85	3.38	YES	NO	
L0000191	0	0.30000E-11	401804.0	3753483.8	34.3	3.63	13.85	3.38	YES	NO	
L0000192	0	0.30000E-11	401833.8	3753483.5	33.9	3.63	13.85	3.38	YES	NO	
L0000193	0	0.30000E-11	401863.5	3753483.2	33.1	3.63	13.85	3.38	YES	NO	
L0000194	0	0.30000E-11	401893.3	3753482.9	32.0	3.63	13.85	3.38	YES	NO	
L0000195	0	0.30000E-11	401923.1	3753482.7	30.5	3.63	13.85	3.38	YES	NO	
L0000196	0	0.30000E-11	401952.8	3753482.4	29.2	3.63	13.85	3.38	YES	NO	
L0000197	0	0.30000E-11	401982.6	3753482.1	29.1	3.63	13.85	3.38	YES	NO	
L0000198	0	0.30000E-11	402012.4	3753481.9	30.1	3.63	13.85	3.38	YES	NO	
L0000199	0	0.30000E-11	402042.1	3753481.6	32.0	3.63	13.85	3.38	YES	NO	
L0000200	0	0.30000E-11	402071.9	3753481.3	33.8	3.63	13.85	3.38	YES	NO	
L0000201	0	0.30000E-11	402101.7	3753481.1	35.1	3.63	13.85	3.38	YES	NO	
L0000202	0	0.30000E-11	402131.5	3753480.8	36.0	3.63	13.85	3.38	YES	NO	
L0000203	0	0.30000E-11	402161.2	3753480.5	36.6	3.63	13.85	3.38	YES	NO	
L0000204	0	0.30000E-11	402191.0	3753480.3	37.0	3.63	13.85	3.38	YES	NO	

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 L0000205         0   0.30000E-11  402220.8 3753480.0    37.4     3.63    13.85
3.38     YES                    NO
 L0000206         0   0.30000E-11  402250.5 3753479.7    37.8     3.63    13.85
3.38     YES                    NO
 L0000207         0   0.30000E-11  402280.3 3753479.5    38.0     3.63    13.85
3.38     YES                    NO
 L0000208         0   0.30000E-11  402310.1 3753479.2    38.1     3.63    13.85
3.38     YES                    NO
 L0000209         0   0.30000E-11  402339.8 3753478.9    38.1     3.63    13.85
3.38     YES                    NO
 L0000210         0   0.30000E-11  402369.4 3753475.5    38.1     3.63    13.85
3.38     YES                    NO
 L0000211         0   0.30000E-11  402398.9 3753471.5    37.9     3.63    13.85
3.38     YES                    NO
 L0000212         0   0.30000E-11  402428.4 3753467.5    37.8     3.63    13.85
3.38     YES                    NO
 L0000213         0   0.30000E-11  402457.9 3753463.5    37.6     3.63    13.85
3.38     YES                    NO
 L0000214         0   0.30000E-11  402487.4 3753459.4    37.2     3.63    13.85
3.38     YES                    NO
 L0000215         0   0.30000E-11  402516.9 3753455.3    37.0     3.63    13.85
3.38     YES                    NO
 L0000216         0   0.30000E-11  402546.3 3753451.2    36.8     3.63    13.85
3.38     YES                    NO
 L0000217         0   0.30000E-11  402575.8 3753447.2    36.3     3.63    13.85
3.38     YES                    NO
 L0000218         0   0.30000E-11  402605.6 3753446.9    35.7     3.63    13.85
3.38     YES                    NO
 L0000219         0   0.30000E-11  402635.4 3753446.8    35.1     3.63    13.85
3.38     YES                    NO
 L0000220         0   0.30000E-11  402665.1 3753446.6    34.5     3.63    13.85
3.38     YES                    NO
 L0000221         0   0.30000E-11  402694.9 3753446.4    33.9     3.63    13.85
3.38     YES                    NO
 L0000222         0   0.30000E-11  402724.7 3753446.3    33.3     3.63    13.85
3.38     YES                    NO
 L0000223         0   0.30000E-11  402754.4 3753446.1    32.7     3.63    13.85
3.38     YES                    NO
 L0000224         0   0.30000E-11  402784.2 3753445.9    32.1     3.63    13.85
3.38     YES                    NO
 L0000225         0   0.30000E-11  402814.0 3753445.8    31.5     3.63    13.85
3.38     YES                    NO
 L0000226         0   0.30000E-11  402843.8 3753445.6    31.0     3.63    13.85
3.38     YES                    NO
 L0000227         0   0.30000E-11  402873.5 3753445.4    30.8     3.63    13.85
3.38     YES                    NO
 L0000228         0   0.30000E-11  402903.3 3753445.2    30.6     3.63    13.85
3.38     YES                    NO
```

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
SITE	0	0.45600E-08	401595.7	3753043.3	30.7	4.27	6	0.00	YES	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	SITE , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
101496.	SITE , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 ,	
	L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 ,	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 400897.7, 3751945.8,      28.2,      28.2,       0.0);         ( 400997.7,
3751945.8,      28.6,      28.6,       0.0);
     ( 401097.7, 3751945.8,      28.3,      28.3,       0.0);         ( 401197.7,
3751945.8,      28.5,      28.5,       0.0);
     ( 401297.7, 3751945.8,      27.8,      27.8,       0.0);         ( 401397.7,
3751945.8,      28.0,      28.0,       0.0);
     ( 401497.7, 3751945.8,      27.2,      27.2,       0.0);         ( 401597.7,
3751945.8,      26.3,      37.4,       0.0);
     ( 401697.7, 3751945.8,      35.0,      37.6,       0.0);         ( 401797.7,
3751945.8,      26.6,      37.6,       0.0);
     ( 401897.7, 3751945.8,      26.6,      26.6,       0.0);         ( 401997.7,
3751945.8,      26.5,      26.5,       0.0);
     ( 402097.7, 3751945.8,      26.5,      26.5,       0.0);         ( 402197.7,
3751945.8,      26.2,      26.2,       0.0);
     ( 402297.7, 3751945.8,      26.3,      26.3,       0.0);         ( 402397.7,
3751945.8,      26.0,      26.0,       0.0);
     ( 402497.7, 3751945.8,      26.4,      26.4,       0.0);         ( 402597.7,
3751945.8,      26.1,      26.1,       0.0);
     ( 402697.7, 3751945.8,      26.6,      26.6,       0.0);         ( 402797.7,
3751945.8,      25.8,      25.8,       0.0);
     ( 402897.7, 3751945.8,      25.8,      25.8,       0.0);         ( 400897.7,
3752045.8,      28.9,      28.9,       0.0);
     ( 400997.7, 3752045.8,      28.8,      28.8,       0.0);         ( 401097.7,
3752045.8,      28.7,      28.7,       0.0);
     ( 401197.7, 3752045.8,      28.2,      28.2,       0.0);         ( 401297.7,
3752045.8,      28.3,      28.3,       0.0);
     ( 401397.7, 3752045.8,      28.3,      28.3,       0.0);         ( 401497.7,
3752045.8,      28.0,      35.5,       0.0);
     ( 401597.7, 3752045.8,      28.6,      37.0,       0.0);         ( 401697.7,
3752045.8,      27.0,      37.5,       0.0);
     ( 401797.7, 3752045.8,      27.6,      27.6,       0.0);         ( 401897.7,
3752045.8,      27.3,      27.3,       0.0);
     ( 401997.7, 3752045.8,      27.1,      27.1,       0.0);         ( 402097.7,
3752045.8,      26.9,      26.9,       0.0);
     ( 402197.7, 3752045.8,      26.4,      26.4,       0.0);         ( 402297.7,
3752045.8,      26.8,      26.8,       0.0);
     ( 402397.7, 3752045.8,      26.7,      26.7,       0.0);         ( 402497.7,
3752045.8,      26.9,      26.9,       0.0);
     ( 402597.7, 3752045.8,      27.0,      27.0,       0.0);         ( 402697.7,
3752045.8,      26.4,      26.4,       0.0);
     ( 402797.7, 3752045.8,      26.3,      26.3,       0.0);         ( 402897.7,
3752045.8,      25.7,      25.7,       0.0);
     ( 400897.7, 3752145.8,      29.1,      29.1,       0.0);         ( 400997.7,
3752145.8,      29.1,      29.1,       0.0);
     ( 401097.7, 3752145.8,      29.1,      29.1,       0.0);         ( 401197.7,
3752145.8,      29.0,      29.0,       0.0);
     ( 401297.7, 3752145.8,      28.6,      28.6,       0.0);         ( 401397.7,
3752145.8,      28.7,      28.7,       0.0);
     ( 401497.7, 3752145.8,      32.7,      32.7,       0.0);         ( 401597.7,
3752145.8,      27.4,      27.4,       0.0);
```

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     ( 401697.7, 3752145.8,      27.2,      27.2,       0.0);         ( 401797.7,
3752145.8,      27.2,      27.2,       0.0);
     ( 401897.7, 3752145.8,      27.6,      27.6,       0.0);         ( 401997.7,
3752145.8,      27.2,      27.2,       0.0);
     ( 402097.7, 3752145.8,      27.0,      27.0,       0.0);         ( 402197.7,
3752145.8,      26.7,      26.7,       0.0);
     ( 402297.7, 3752145.8,      26.8,      26.8,       0.0);         ( 402397.7,
3752145.8,      26.7,      26.7,       0.0);
     ( 402497.7, 3752145.8,      26.3,      26.3,       0.0);         ( 402597.7,
3752145.8,      26.4,      26.4,       0.0);
     ( 402697.7, 3752145.8,      27.0,      27.0,       0.0);         ( 402797.7,
3752145.8,      26.2,      26.2,       0.0);
     ( 402897.7, 3752145.8,      26.4,      26.4,       0.0);         ( 400897.7,
3752245.8,      29.5,      29.5,       0.0);
     ( 400997.7, 3752245.8,      29.2,      29.2,       0.0);         ( 401097.7,
3752245.8,      29.7,      29.7,       0.0);
     ( 401197.7, 3752245.8,      28.9,      28.9,       0.0);         ( 401297.7,
3752245.8,      28.8,      28.8,       0.0);
     ( 401397.7, 3752245.8,      30.4,      30.4,       0.0);         ( 401497.7,
3752245.8,      28.4,      28.4,       0.0);
     ( 401597.7, 3752245.8,      28.0,      28.0,       0.0);         ( 401697.7,
3752245.8,      27.7,      27.7,       0.0);
     ( 401797.7, 3752245.8,      27.4,      27.4,       0.0);         ( 401897.7,
3752245.8,      27.9,      27.9,       0.0);
     ( 401997.7, 3752245.8,      27.6,      27.6,       0.0);         ( 402097.7,
3752245.8,      27.0,      27.0,       0.0);
     ( 402197.7, 3752245.8,      26.4,      26.4,       0.0);         ( 402297.7,
3752245.8,      26.7,      26.7,       0.0);
     ( 402397.7, 3752245.8,      27.1,      27.1,       0.0);         ( 402497.7,
3752245.8,      26.7,      26.7,       0.0);
     ( 402597.7, 3752245.8,      27.4,      27.4,       0.0);         ( 402697.7,
3752245.8,      27.6,      27.6,       0.0);
     ( 402797.7, 3752245.8,      27.6,      27.6,       0.0);         ( 402897.7,
3752245.8,      27.1,      27.1,       0.0);
     ( 400897.7, 3752345.8,      29.6,      29.6,       0.0);         ( 400997.7,
3752345.8,      29.6,      29.6,       0.0);
     ( 401097.7, 3752345.8,      29.7,      29.7,       0.0);         ( 401197.7,
3752345.8,      29.2,      29.2,       0.0);
     ( 401297.7, 3752345.8,      29.1,      29.1,       0.0);         ( 401397.7,
3752345.8,      29.2,      29.2,       0.0);
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(401497.7, 3752345.8, 29.0, 29.0, 0.0); (401597.7, 3752345.8, 28.6, 28.6, 0.0);
(401697.7, 3752345.8, 28.2, 28.2, 0.0); (401797.7, 3752345.8, 27.9, 27.9, 0.0);
(401897.7, 3752345.8, 28.1, 28.1, 0.0); (401997.7, 3752345.8, 27.7, 27.7, 0.0);
(402097.7, 3752345.8, 27.6, 27.6, 0.0); (402197.7, 3752345.8, 26.9, 26.9, 0.0);
(402297.7, 3752345.8, 26.9, 26.9, 0.0); (402397.7, 3752345.8, 27.0, 27.0, 0.0);
(402497.7, 3752345.8, 26.9, 26.9, 0.0); (402597.7, 3752345.8, 27.4, 27.4, 0.0);
(402697.7, 3752345.8, 27.3, 27.3, 0.0); (402797.7, 3752345.8, 27.5, 27.5, 0.0);
(402897.7, 3752345.8, 27.0, 27.0, 0.0); (400897.7, 3752445.8, 29.7, 29.7, 0.0);
(400997.7, 3752445.8, 29.8, 29.8, 0.0); (401097.7, 3752445.8, 29.4, 29.4, 0.0);
(401197.7, 3752445.8, 29.3, 29.3, 0.0); (401297.7, 3752445.8, 29.7, 29.7, 0.0);
(401397.7, 3752445.8, 29.5, 29.5, 0.0); (401497.7, 3752445.8, 29.0, 29.0, 0.0);
(401597.7, 3752445.8, 29.0, 29.0, 0.0); (401697.7, 3752445.8, 28.5, 28.5, 0.0);
(401797.7, 3752445.8, 28.4, 28.4, 0.0); (401897.7, 3752445.8, 28.8, 28.8, 0.0);
(401997.7, 3752445.8, 28.3, 28.3, 0.0); (402097.7, 3752445.8, 28.0, 28.0, 0.0);
(402197.7, 3752445.8, 27.7, 27.7, 0.0); (402297.7, 3752445.8, 27.2, 27.2, 0.0);
(402397.7, 3752445.8, 27.3, 27.3, 0.0); (402497.7, 3752445.8, 27.4, 27.4, 0.0);
(402597.7, 3752445.8, 27.9, 27.9, 0.0); (402697.7, 3752445.8, 27.5, 27.5, 0.0);
(402797.7, 3752445.8, 27.6, 27.6, 0.0); (402897.7, 3752445.8, 27.5, 27.5, 0.0);
(400897.7, 3752545.8, 29.9, 29.9, 0.0); (400997.7, 3752545.8, 30.3, 30.3, 0.0);
(401097.7, 3752545.8, 29.5, 29.5, 0.0); (401197.7, 3752545.8, 30.5, 30.5, 0.0);
(401297.7, 3752545.8, 29.4, 29.4, 0.0); (401397.7, 3752545.8, 29.6, 29.6, 0.0);
(401497.7, 3752545.8, 29.6, 29.6, 0.0); (401597.7, 3752545.8, 29.5, 29.5, 0.0);
(401697.7, 3752545.8, 29.0, 29.0, 0.0); (401797.7, 3752545.8, 28.8, 28.8, 0.0);
(401897.7, 3752545.8, 28.6, 28.6, 0.0); (401997.7, 3752545.8, 28.4, 28.4, 0.0);

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     ( 402097.7, 3752545.8,      27.9,      27.9,       0.0);         ( 402197.7,
3752545.8,      27.9,      27.9,       0.0);
     ( 402297.7, 3752545.8,      27.7,      27.7,       0.0);         ( 402397.7,
3752545.8,      27.7,      27.7,       0.0);
     ( 402497.7, 3752545.8,      28.1,      28.1,       0.0);         ( 402597.7,
3752545.8,      28.3,      28.3,       0.0);
     ( 402697.7, 3752545.8,      28.1,      28.1,       0.0);         ( 402797.7,
3752545.8,      27.7,      27.7,       0.0);
     ( 402897.7, 3752545.8,      27.8,      27.8,       0.0);         ( 400897.7,
3752645.8,      30.5,      30.5,       0.0);
     ( 400997.7, 3752645.8,      30.3,      30.3,       0.0);         ( 401097.7,
3752645.8,      30.9,      30.9,       0.0);
     ( 401197.7, 3752645.8,      29.6,      29.6,       0.0);         ( 401297.7,
3752645.8,      29.6,      29.6,       0.0);
     ( 401397.7, 3752645.8,      29.6,      29.6,       0.0);         ( 401497.7,
3752645.8,      29.9,      29.9,       0.0);
     ( 401597.7, 3752645.8,      29.8,      29.8,       0.0);         ( 401697.7,
3752645.8,      29.7,      29.7,       0.0);
     ( 401797.7, 3752645.8,      29.5,      29.5,       0.0);         ( 401897.7,
3752645.8,      29.0,      29.0,       0.0);
     ( 401997.7, 3752645.8,      28.6,      28.6,       0.0);         ( 402097.7,
3752645.8,      27.7,      27.7,       0.0);
     ( 402197.7, 3752645.8,      27.5,      27.5,       0.0);         ( 402297.7,
3752645.8,      27.7,      27.7,       0.0);
     ( 402397.7, 3752645.8,      28.0,      28.0,       0.0);         ( 402497.7,
3752645.8,      28.2,      28.2,       0.0);
     ( 402597.7, 3752645.8,      28.0,      28.0,       0.0);         ( 402697.7,
3752645.8,      28.0,      28.0,       0.0);
     ( 402797.7, 3752645.8,      28.0,      28.0,       0.0);         ( 402897.7,
3752645.8,      27.9,      27.9,       0.0);
     ( 400897.7, 3752745.8,      30.9,      30.9,       0.0);         ( 400997.7,
3752745.8,      32.9,      32.9,       0.0);
     ( 401097.7, 3752745.8,      30.4,      30.4,       0.0);         ( 401197.7,
3752745.8,      30.1,      30.1,       0.0);
     ( 401297.7, 3752745.8,      30.2,      30.2,       0.0);         ( 401397.7,
3752745.8,      30.2,      30.2,       0.0);
     ( 401497.7, 3752745.8,      29.8,      29.8,       0.0);         ( 401597.7,
3752745.8,      30.2,      30.2,       0.0);
     ( 401697.7, 3752745.8,      30.6,      30.6,       0.0);         ( 401797.7,
3752745.8,      29.7,      29.7,       0.0);
     ( 401897.7, 3752745.8,      29.4,      29.4,       0.0);         ( 401997.7,
3752745.8,      29.1,      29.1,       0.0);
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Norwalk Transit
Village Construction\Norwalk Tr ***        07/01/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:40:32

                                  PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(402097.7, 3752745.8, 28.7, 28.7, 0.0); (402197.7, 3752745.8, 28.4, 28.4, 0.0);
(402297.7, 3752745.8, 28.2, 28.2, 0.0); (402397.7, 3752745.8, 28.4, 28.4, 0.0);
(402497.7, 3752745.8, 28.2, 28.2, 0.0); (402597.7, 3752745.8, 28.5, 28.5, 0.0);
(402697.7, 3752745.8, 28.7, 28.7, 0.0); (402797.7, 3752745.8, 27.9, 27.9, 0.0);
(402897.7, 3752745.8, 28.5, 28.5, 0.0); (400897.7, 3752845.8, 34.5, 34.5, 0.0);
(400997.7, 3752845.8, 31.3, 31.3, 0.0); (401097.7, 3752845.8, 30.2, 30.2, 0.0);
(401197.7, 3752845.8, 30.1, 30.1, 0.0); (401297.7, 3752845.8, 30.6, 30.6, 0.0);
(401397.7, 3752845.8, 30.9, 30.9, 0.0); (401497.7, 3752845.8, 29.8, 29.8, 0.0);
(402197.7, 3752845.8, 28.2, 28.2, 0.0); (402297.7, 3752845.8, 28.9, 28.9, 0.0);
(402397.7, 3752845.8, 29.1, 29.1, 0.0); (402497.7, 3752845.8, 28.5, 28.5, 0.0);
(402597.7, 3752845.8, 29.1, 29.1, 0.0); (402697.7, 3752845.8, 28.6, 28.6, 0.0);
(402797.7, 3752845.8, 28.2, 28.2, 0.0); (402897.7, 3752845.8, 29.0, 29.0, 0.0);
(400897.7, 3752945.8, 34.2, 34.2, 0.0); (400997.7, 3752945.8, 31.9, 31.9, 0.0);
(401097.7, 3752945.8, 30.5, 30.5, 0.0); (401197.7, 3752945.8, 31.6, 31.6, 0.0);
(401297.7, 3752945.8, 31.1, 31.1, 0.0); (401397.7, 3752945.8, 30.7, 30.7, 0.0);
(401497.7, 3752945.8, 30.3, 30.3, 0.0); (402197.7, 3752945.8, 28.5, 28.5, 0.0);
(402297.7, 3752945.8, 29.2, 29.2, 0.0); (402397.7, 3752945.8, 29.8, 30.3, 0.0);
(402497.7, 3752945.8, 28.9, 28.9, 0.0); (402597.7, 3752945.8, 28.8, 28.8, 0.0);
(402697.7, 3752945.8, 28.2, 28.2, 0.0); (402797.7, 3752945.8, 27.9, 27.9, 0.0);
(402897.7, 3752945.8, 29.2, 29.2, 0.0); (400897.7, 3753045.8, 31.9, 31.9, 0.0);
(400997.7, 3753045.8, 31.7, 31.7, 0.0); (401097.7, 3753045.8, 32.4, 32.4, 0.0);
(401197.7, 3753045.8, 31.2, 31.2, 0.0); (401297.7, 3753045.8, 30.8, 30.8, 0.0);
(401397.7, 3753045.8, 31.1, 31.1, 0.0); (401497.7, 3753045.8, 30.5, 30.5, 0.0);

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     ( 401597.7, 3753045.8,      30.8,      30.8,       0.0);         ( 401697.7,
3753045.8,      30.3,      30.3,       0.0);
     ( 401797.7, 3753045.8,      29.7,      30.2,       0.0);         ( 401897.7,
3753045.8,      29.7,      29.7,       0.0);
     ( 401997.7, 3753045.8,      29.4,      29.4,       0.0);         ( 402097.7,
3753045.8,      29.1,      29.1,       0.0);
     ( 402197.7, 3753045.8,      28.4,      28.4,       0.0);         ( 402297.7,
3753045.8,      31.5,      34.5,       0.0);
     ( 402397.7, 3753045.8,      33.2,      33.2,       0.0);         ( 402497.7,
3753045.8,      28.8,      28.8,       0.0);
     ( 402597.7, 3753045.8,      28.9,      28.9,       0.0);         ( 402697.7,
3753045.8,      28.4,      28.4,       0.0);
     ( 402797.7, 3753045.8,      28.5,      28.5,       0.0);         ( 402897.7,
3753045.8,      28.2,      28.2,       0.0);
     ( 400897.7, 3753145.8,      32.1,      32.1,       0.0);         ( 400997.7,
3753145.8,      31.7,      31.7,       0.0);
     ( 401097.7, 3753145.8,      31.5,      31.5,       0.0);         ( 401197.7,
3753145.8,      31.1,      31.1,       0.0);
     ( 401297.7, 3753145.8,      31.2,      31.2,       0.0);         ( 401397.7,
3753145.8,      30.7,      30.7,       0.0);
     ( 401497.7, 3753145.8,      31.1,      31.1,       0.0);         ( 401597.7,
3753145.8,      31.1,      31.1,       0.0);
     ( 401697.7, 3753145.8,      31.3,      31.3,       0.0);         ( 401797.7,
3753145.8,      31.2,      31.2,       0.0);
     ( 401897.7, 3753145.8,      30.1,      30.1,       0.0);         ( 401997.7,
3753145.8,      29.9,      29.9,       0.0);
     ( 402097.7, 3753145.8,      29.9,      29.9,       0.0);         ( 402197.7,
3753145.8,      32.6,      34.1,       0.0);
     ( 402297.7, 3753145.8,      34.7,      34.7,       0.0);         ( 402397.7,
3753145.8,      33.9,      33.9,       0.0);
     ( 402497.7, 3753145.8,      29.8,      29.8,       0.0);         ( 402597.7,
3753145.8,      30.0,      30.0,       0.0);
     ( 402697.7, 3753145.8,      29.9,      29.9,       0.0);         ( 402797.7,
3753145.8,      30.0,      30.0,       0.0);
     ( 402897.7, 3753145.8,      28.8,      28.8,       0.0);         ( 400897.7,
3753245.8,      32.8,      32.8,       0.0);
     ( 400997.7, 3753245.8,      32.2,      32.2,       0.0);         ( 401097.7,
3753245.8,      32.0,      32.0,       0.0);
     ( 401197.7, 3753245.8,      32.1,      32.1,       0.0);         ( 401297.7,
3753245.8,      32.0,      32.0,       0.0);
     ( 401397.7, 3753245.8,      31.7,      31.7,       0.0);         ( 401497.7,
3753245.8,      32.1,      32.1,       0.0);
     ( 401597.7, 3753245.8,      31.6,      31.6,       0.0);         ( 401697.7,
3753245.8,      33.2,      33.2,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(401797.7, 3753245.8, 32.5, 32.5, 0.0); (401897.7, 3753245.8, 31.4, 31.4, 0.0);
(401997.7, 3753245.8, 29.9, 29.9, 0.0); (402097.7, 3753245.8, 33.8, 33.8, 0.0);
(402197.7, 3753245.8, 33.9, 33.9, 0.0); (402297.7, 3753245.8, 34.6, 34.6, 0.0);
(402397.7, 3753245.8, 34.2, 34.2, 0.0); (402497.7, 3753245.8, 31.2, 31.2, 0.0);
(402597.7, 3753245.8, 30.1, 30.1, 0.0); (402697.7, 3753245.8, 30.2, 30.2, 0.0);
(402797.7, 3753245.8, 30.2, 30.2, 0.0); (402897.7, 3753245.8, 29.5, 29.5, 0.0);
(400897.7, 3753345.8, 34.1, 34.1, 0.0); (400997.7, 3753345.8, 32.4, 32.4, 0.0);
(401097.7, 3753345.8, 32.2, 32.2, 0.0); (401197.7, 3753345.8, 31.9, 31.9, 0.0);
(401297.7, 3753345.8, 33.4, 33.4, 0.0); (401397.7, 3753345.8, 34.4, 34.4, 0.0);
(401497.7, 3753345.8, 34.2, 34.2, 0.0); (401597.7, 3753345.8, 33.1, 33.1, 0.0);
(401697.7, 3753345.8, 34.0, 34.0, 0.0); (401797.7, 3753345.8, 33.7, 33.7, 0.0);
(401897.7, 3753345.8, 33.6, 33.6, 0.0); (401997.7, 3753345.8, 33.5, 35.3, 0.0);
(402097.7, 3753345.8, 37.1, 37.1, 0.0); (402197.7, 3753345.8, 36.1, 36.1, 0.0);
(402297.7, 3753345.8, 35.8, 35.8, 0.0); (402397.7, 3753345.8, 34.3, 34.3, 0.0);
(402497.7, 3753345.8, 31.2, 31.2, 0.0); (402597.7, 3753345.8, 30.1, 30.1, 0.0);
(402697.7, 3753345.8, 30.8, 30.8, 0.0); (402797.7, 3753345.8, 30.7, 30.9, 0.0);
(402897.7, 3753345.8, 29.9, 29.9, 0.0); (400897.7, 3753445.8, 32.7, 32.7, 0.0);
(400997.7, 3753445.8, 32.5, 32.5, 0.0); (401097.7, 3753445.8, 32.5, 32.5, 0.0);
(401197.7, 3753445.8, 32.3, 32.3, 0.0); (401297.7, 3753445.8, 32.5, 32.5, 0.0);
(401397.7, 3753445.8, 32.6, 32.6, 0.0); (401497.7, 3753445.8, 33.2, 33.2, 0.0);
(401597.7, 3753445.8, 34.5, 34.5, 0.0); (401697.7, 3753445.8, 34.3, 34.3, 0.0);
(401797.7, 3753445.8, 34.8, 34.8, 0.0); (401897.7, 3753445.8, 34.3, 34.3, 0.0);

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     ( 401997.7, 3753445.8,      35.8,      35.8,       0.0);         ( 402097.7,
3753445.8,      37.5,      37.5,       0.0);
     ( 402197.7, 3753445.8,      38.0,      38.0,       0.0);         ( 402297.7,
3753445.8,      37.9,      37.9,       0.0);
     ( 402397.7, 3753445.8,      38.2,      38.2,       0.0);         ( 402497.7,
3753445.8,      37.3,      37.3,       0.0);
     ( 402597.7, 3753445.8,      35.9,      35.9,       0.0);         ( 402697.7,
3753445.8,      33.8,      33.8,       0.0);
     ( 402797.7, 3753445.8,      31.8,      31.8,       0.0);         ( 402897.7,
3753445.8,      30.7,      30.7,       0.0);
     ( 400897.7, 3753545.8,      33.1,      33.1,       0.0);         ( 400997.7,
3753545.8,      33.1,      33.1,       0.0);
     ( 401097.7, 3753545.8,      33.1,      33.1,       0.0);         ( 401197.7,
3753545.8,      32.5,      32.5,       0.0);
     ( 401297.7, 3753545.8,      32.6,      32.6,       0.0);         ( 401397.7,
3753545.8,      32.5,      32.5,       0.0);
     ( 401497.7, 3753545.8,      34.0,      34.0,       0.0);         ( 401597.7,
3753545.8,      34.7,      34.7,       0.0);
     ( 401697.7, 3753545.8,      35.2,      35.2,       0.0);         ( 401797.7,
3753545.8,      35.3,      35.3,       0.0);
     ( 401897.7, 3753545.8,      34.7,      34.7,       0.0);         ( 401997.7,
3753545.8,      35.4,      35.4,       0.0);
     ( 402097.7, 3753545.8,      36.5,      36.5,       0.0);         ( 402197.7,
3753545.8,      37.7,      37.7,       0.0);
     ( 402297.7, 3753545.8,      38.8,      38.8,       0.0);         ( 402397.7,
3753545.8,      39.6,      39.6,       0.0);
     ( 402497.7, 3753545.8,      39.7,      39.7,       0.0);         ( 402597.7,
3753545.8,      39.0,      39.0,       0.0);
     ( 402697.7, 3753545.8,      37.1,      39.0,       0.0);         ( 402797.7,
3753545.8,      36.8,      36.8,       0.0);
     ( 402897.7, 3753545.8,      36.9,      38.2,       0.0);         ( 400897.7,
3753645.8,      33.2,      33.2,       0.0);
     ( 400997.7, 3753645.8,      33.1,      33.1,       0.0);         ( 401097.7,
3753645.8,      33.0,      33.0,       0.0);
     ( 401197.7, 3753645.8,      32.6,      32.6,       0.0);         ( 401297.7,
3753645.8,      33.3,      33.3,       0.0);
     ( 401397.7, 3753645.8,      32.8,      32.8,       0.0);         ( 401497.7,
3753645.8,      34.1,      34.1,       0.0);
     ( 401597.7, 3753645.8,      35.3,      35.3,       0.0);         ( 401697.7,
3753645.8,      36.1,      36.1,       0.0);
     ( 401797.7, 3753645.8,      36.5,      36.5,       0.0);         ( 401897.7,
3753645.8,      36.1,      36.1,       0.0);
     ( 401997.7, 3753645.8,      34.9,      34.9,       0.0);         ( 402097.7,
3753645.8,      36.5,      36.5,       0.0);
     ( 402197.7, 3753645.8,      38.5,      38.5,       0.0);         ( 402297.7,
3753645.8,      39.6,      39.6,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Norwalk Transit
Village Construction\Norwalk Tr ***        07/01/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       11:40:32
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(402397.7, 3753645.8, 40.6, 40.6, 0.0); (402497.7, 3753645.8, 40.7, 40.7, 0.0);
(402597.7, 3753645.8, 40.5, 40.5, 0.0); (402697.7, 3753645.8, 38.8, 40.3, 0.0);
(402797.7, 3753645.8, 40.2, 40.2, 0.0); (402897.7, 3753645.8, 41.2, 41.2, 0.0);
(400897.7, 3753745.8, 33.5, 33.5, 0.0); (400997.7, 3753745.8, 33.4, 33.4, 0.0);
(401097.7, 3753745.8, 33.2, 33.2, 0.0); (401197.7, 3753745.8, 32.7, 32.7, 0.0);
(401297.7, 3753745.8, 33.6, 33.6, 0.0); (401397.7, 3753745.8, 34.1, 34.1, 0.0);
(401497.7, 3753745.8, 34.9, 34.9, 0.0); (401597.7, 3753745.8, 35.7, 35.7, 0.0);
(401697.7, 3753745.8, 36.9, 36.9, 0.0); (401797.7, 3753745.8, 37.5, 37.5, 0.0);
(401897.7, 3753745.8, 37.3, 37.3, 0.0); (401997.7, 3753745.8, 35.6, 35.6, 0.0);
(402097.7, 3753745.8, 36.3, 36.3, 0.0); (402197.7, 3753745.8, 36.0, 36.0, 0.0);
(402297.7, 3753745.8, 39.1, 39.1, 0.0); (402397.7, 3753745.8, 40.3, 40.3, 0.0);
(402497.7, 3753745.8, 42.1, 42.1, 0.0); (402597.7, 3753745.8, 42.2, 42.2, 0.0);
(402697.7, 3753745.8, 42.6, 42.6, 0.0); (402797.7, 3753745.8, 36.9, 36.9, 0.0);
(402897.7, 3753745.8, 40.3, 43.4, 0.0); (400897.7, 3753845.8, 33.5, 33.5, 0.0);
(400997.7, 3753845.8, 33.3, 33.3, 0.0); (401097.7, 3753845.8, 33.3, 33.3, 0.0);
(401197.7, 3753845.8, 32.9, 32.9, 0.0); (401297.7, 3753845.8, 34.4, 34.4, 0.0);
(401397.7, 3753845.8, 34.9, 34.9, 0.0); (401497.7, 3753845.8, 35.9, 35.9, 0.0);
(401597.7, 3753845.8, 36.0, 36.0, 0.0); (401697.7, 3753845.8, 38.4, 38.4, 0.0);
(401797.7, 3753845.8, 38.3, 38.3, 0.0); (401897.7, 3753845.8, 37.7, 39.5, 0.0);
(401997.7, 3753845.8, 36.5, 36.5, 0.0); (402097.7, 3753845.8, 36.0, 36.0, 0.0);
(402197.7, 3753845.8, 37.2, 37.2, 0.0); (402297.7, 3753845.8, 39.7, 39.7, 0.0);

```
     ( 402397.7, 3753845.8,      40.4,      40.4,       0.0);         ( 402497.7,
3753845.8,      42.3,      42.3,       0.0);
     ( 402597.7, 3753845.8,      43.5,      43.5,       0.0);         ( 402697.7,
3753845.8,      44.0,      44.0,       0.0);
     ( 402797.7, 3753845.8,      43.6,      43.6,       0.0);         ( 402897.7,
3753845.8,      39.4,      44.5,       0.0);
     ( 400897.7, 3753945.8,      33.6,      33.6,       0.0);         ( 400997.7,
3753945.8,      33.3,      33.3,       0.0);
     ( 401097.7, 3753945.8,      33.2,      33.2,       0.0);         ( 401197.7,
3753945.8,      32.9,      32.9,       0.0);
     ( 401297.7, 3753945.8,      35.0,      35.0,       0.0);         ( 401397.7,
3753945.8,      35.4,      35.4,       0.0);
     ( 401497.7, 3753945.8,      35.8,      35.8,       0.0);         ( 401597.7,
3753945.8,      36.0,      36.0,       0.0);
     ( 401697.7, 3753945.8,      38.7,      38.7,       0.0);         ( 401797.7,
3753945.8,      38.6,      38.6,       0.0);
     ( 401897.7, 3753945.8,      38.2,      50.3,       0.0);         ( 401997.7,
3753945.8,      36.9,      50.3,       0.0);
     ( 402097.7, 3753945.8,      38.6,      47.6,       0.0);         ( 402197.7,
3753945.8,      38.2,      38.2,       0.0);
     ( 402297.7, 3753945.8,      40.6,      40.6,       0.0);         ( 402397.7,
3753945.8,      42.1,      42.1,       0.0);
     ( 402497.7, 3753945.8,      43.4,      43.4,       0.0);         ( 402597.7,
3753945.8,      44.2,      44.2,       0.0);
     ( 402697.7, 3753945.8,      44.6,      44.6,       0.0);         ( 402797.7,
3753945.8,      43.4,      43.4,       0.0);
     ( 402897.7, 3753945.8,      39.7,      39.7,       0.0);         ( 401640.4,
3753082.9,      31.1,      31.1,       0.0);
     ( 401640.4, 3753122.9,      31.4,      31.4,       0.0);         ( 401640.4,
3753162.9,      31.5,      31.5,       0.0);
     ( 401640.4, 3753202.9,      31.3,      31.3,       0.0);         ( 401640.4,
3753242.9,      32.8,      32.8,       0.0);
     ( 401640.4, 3753282.9,      32.9,      32.9,       0.0);         ( 401680.4,
3753082.9,      30.9,      30.9,       0.0);
     ( 401680.4, 3753122.9,      31.0,      31.0,       0.0);         ( 401680.4,
3753162.9,      31.1,      31.1,       0.0);
     ( 401680.4, 3753202.9,      31.2,      31.2,       0.0);         ( 401680.4,
3753242.9,      33.0,      33.0,       0.0);
     ( 401680.4, 3753282.9,      33.3,      33.3,       0.0);         ( 401680.4,
3753322.9,      33.5,      33.5,       0.0);
     ( 401680.4, 3753362.9,      34.2,      34.2,       0.0);         ( 401680.4,
3753402.9,      34.4,      34.4,       0.0);
     ( 401720.4, 3753082.9,      30.9,      30.9,       0.0);         ( 401720.4,
3753122.9,      31.1,      31.1,       0.0);
     ( 401720.4, 3753162.9,      31.2,      31.2,       0.0);         ( 401720.4,
3753202.9,      31.3,      31.3,       0.0);
     ( 401720.4, 3753242.9,      32.3,      32.3,       0.0);         ( 401720.4,
3753282.9,      33.0,      33.0,       0.0);
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Norwalk Transit
Village Construction\Norwalk Tr ***        07/01/24
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(401720.4, 3753322.9, 34.4, 34.4, 0.0); (401720.4, 3753362.9, 33.8, 33.8, 0.0);
(401720.4, 3753402.9, 34.0, 34.0, 0.0); (401720.4, 3753442.9, 34.7, 34.7, 0.0);
(401760.4, 3753082.9, 30.8, 30.8, 0.0); (401760.4, 3753122.9, 30.9, 30.9, 0.0);
(401760.4, 3753162.9, 31.2, 31.2, 0.0); (401760.4, 3753202.9, 31.6, 31.6, 0.0);
(401760.4, 3753242.9, 32.2, 32.2, 0.0); (401760.4, 3753282.9, 33.5, 33.5, 0.0);
(401760.4, 3753322.9, 33.6, 33.6, 0.0); (401760.4, 3753362.9, 34.4, 34.4, 0.0);
(401760.4, 3753402.9, 34.4, 34.4, 0.0); (401760.4, 3753442.9, 34.7, 34.7, 0.0);
(401800.4, 3753082.9, 30.6, 30.6, 0.0); (401800.4, 3753122.9, 30.6, 30.6, 0.0);
(401800.4, 3753162.9, 31.3, 31.3, 0.0); (401800.4, 3753202.9, 32.0, 32.0, 0.0);
(401800.4, 3753242.9, 32.5, 32.5, 0.0); (401800.4, 3753282.9, 33.8, 33.8, 0.0);
(401800.4, 3753322.9, 33.4, 33.4, 0.0); (401800.4, 3753362.9, 33.9, 33.9, 0.0);
(401800.4, 3753402.9, 34.2, 34.2, 0.0); (401800.4, 3753442.9, 34.8, 34.8, 0.0);
(401840.4, 3753082.9, 30.3, 30.3, 0.0); (401840.4, 3753122.9, 30.5, 30.5, 0.0);
(401840.4, 3753162.9, 31.0, 31.0, 0.0); (401840.4, 3753202.9, 31.5, 31.5, 0.0);
(401840.4, 3753242.9, 32.4, 32.4, 0.0); (401880.4, 3753082.9, 30.1, 30.1, 0.0);
(401880.4, 3753122.9, 30.2, 30.2, 0.0); (401880.4, 3753162.9, 30.5, 30.5, 0.0);
(401880.4, 3753202.9, 31.4, 31.4, 0.0); (401880.4, 3753242.9, 31.4, 31.4, 0.0);
(401880.4, 3753282.9, 33.0, 33.3, 0.0); (401920.4, 3753082.9, 30.1, 30.1, 0.0);
(401920.4, 3753122.9, 30.3, 30.3, 0.0); (401920.4, 3753162.9, 30.1, 30.1, 0.0);
(401920.4, 3753202.9, 30.4, 30.4, 0.0); (401920.4, 3753242.9, 30.8, 30.8, 0.0);

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     ( 401920.4, 3753282.9,      30.2,      36.3,       0.0);         ( 401960.4,
3753082.9,      29.9,      29.9,       0.0);
     ( 401960.4, 3753122.9,      30.0,      30.0,       0.0);         ( 401960.4,
3753162.9,      29.9,      29.9,       0.0);
     ( 401960.4, 3753202.9,      30.0,      30.0,       0.0);         ( 401960.4,
3753242.9,      29.8,      29.8,       0.0);
     ( 401960.4, 3753282.9,      30.1,      36.2,       0.0);         ( 402000.4,
3753082.9,      29.7,      29.7,       0.0);
     ( 402000.4, 3753122.9,      29.9,      29.9,       0.0);         ( 402000.4,
3753162.9,      29.7,      29.7,       0.0);
     ( 402000.4, 3753202.9,      29.7,      29.7,       0.0);         ( 402000.4,
3753242.9,      29.9,      29.9,       0.0);
     ( 402000.4, 3753282.9,      29.8,      35.1,       0.0);         ( 402040.4,
3753082.9,      29.5,      29.5,       0.0);
     ( 402040.4, 3753122.9,      29.6,      29.6,       0.0);         ( 402040.4,
3753162.9,      29.7,      29.7,       0.0);
     ( 402040.4, 3753202.9,      29.6,      29.6,       0.0);         ( 402080.4,
3753082.9,      29.5,      29.5,       0.0);
     ( 402080.4, 3753122.9,      29.5,      29.5,       0.0);         ( 402080.4,
3753162.9,      29.9,      29.9,       0.0);
     ( 402120.4, 3753082.9,      29.3,      29.3,       0.0);         ( 401070.2,
3752900.9,      30.1,      30.1,       0.0);
     ( 401070.2, 3752940.9,      30.5,      30.5,       0.0);         ( 401070.2,
3752980.9,      31.3,      31.3,       0.0);
     ( 401070.2, 3753020.9,      31.4,      31.4,       0.0);         ( 401070.2,
3753060.9,      31.5,      31.5,       0.0);
     ( 401110.2, 3752740.9,      30.4,      30.4,       0.0);         ( 401110.2,
3752780.9,      30.2,      30.2,       0.0);
     ( 401110.2, 3752820.9,      30.1,      30.1,       0.0);         ( 401110.2,
3752860.9,      30.2,      30.2,       0.0);
     ( 401110.2, 3752900.9,      30.0,      30.0,       0.0);         ( 401110.2,
3752940.9,      30.9,      30.9,       0.0);
     ( 401110.2, 3752980.9,      31.2,      31.2,       0.0);         ( 401110.2,
3753020.9,      31.6,      31.6,       0.0);
     ( 401110.2, 3753060.9,      31.8,      32.7,       0.0);         ( 401150.2,
3752700.9,      29.7,      29.7,       0.0);
     ( 401150.2, 3752740.9,      29.9,      29.9,       0.0);         ( 401150.2,
3752780.9,      30.3,      30.3,       0.0);
     ( 401150.2, 3752820.9,      30.6,      30.6,       0.0);         ( 401150.2,
3752860.9,      30.2,      31.6,       0.0);
     ( 401150.2, 3752900.9,      30.2,      31.3,       0.0);         ( 401150.2,
3752940.9,      31.4,      31.4,       0.0);
     ( 401150.2, 3752980.9,      30.7,      30.7,       0.0);         ( 401150.2,
3753020.9,      32.0,      32.0,       0.0);
     ( 401150.2, 3753060.9,      30.9,      30.9,       0.0);         ( 401190.2,
3752660.9,      29.6,      29.6,       0.0);
     ( 401190.2, 3752700.9,      30.1,      30.1,       0.0);         ( 401190.2,
3752740.9,      30.4,      30.4,       0.0);
     ( 401190.2, 3752780.9,      30.1,      30.1,       0.0);         ( 401190.2,
3752820.9,      30.2,      30.2,       0.0);
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