RUHS Perris Project Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	RUHS Perris Project
Construction Start Date	1/1/2024
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.82149150915009, -117.24705921045603
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5579
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Medical Office Building	40.9	1000sqft	0.94	40,854	275,895	—	—	Children & Youth Services
Medical Office Building	51.0	1000sqft	1.17	50,989	0.00	—	—	Urgent Care Services
General Office Building	99.3	1000sqft	2.28	99,250	0.00	—	—	Community Wellness & Education Center
Apartments Mid Rise	296	Dwelling Unit	7.79	192,495	0.00	—	956	Transitioning Housing
Apartments Mid Rise	140	Dwelling Unit	3.68	66,773	0.00	—	452	Extended Residential Care
Parking Lot	633	Space	2.78	0.00	0.00	—	—	—
General Office Building	30.0	1000sqft	0.69	30,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.1	21.1	73.3	0.10	0.76	6.74	7.41	0.71	1.61	2.23	—	16,351	16,351	0.62	0.67	16,599
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.0	94.3	69.0	0.12	2.50	7.88	10.4	2.26	3.03	5.28	—	15,828	15,828	0.63	0.67	16,045

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.9	19.0	43.3	0.07	0.57	4.29	4.73	0.53	1.03	1.44	—	10,411	10,411	0.41	0.44	10,561
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.18	3.46	7.90	0.01	0.10	0.78	0.86	0.10	0.19	0.26	—	1,724	1,724	0.07	0.07	1,748

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.90	18.9	67.9	0.10	0.76	5.74	6.27	0.71	1.37	1.88	—	15,153	15,153	0.57	0.63	15,385
2025	23.1	21.1	73.3	0.10	0.66	6.74	7.41	0.62	1.61	2.23	—	16,351	16,351	0.62	0.67	16,599
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.78	94.3	69.0	0.12	2.50	7.88	10.4	2.26	3.03	5.28	—	14,706	14,706	0.58	0.64	14,911
2025	23.0	21.5	64.6	0.10	0.71	6.74	7.41	0.67	1.61	2.23	—	15,828	15,828	0.63	0.67	16,045
2026	20.4	2.51	6.12	< 0.005	0.13	1.01	1.14	0.12	0.24	0.36	—	1,243	1,243	0.03	0.04	1,255
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.36	19.0	30.8	0.05	0.57	2.97	3.54	0.53	0.88	1.41	—	6,938	6,938	0.27	0.25	7,025
2025	11.9	14.5	43.3	0.07	0.44	4.29	4.73	0.42	1.03	1.44	—	10,411	10,411	0.41	0.44	10,561
2026	0.08	0.01	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	4.97
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.25	3.46	5.62	0.01	0.10	0.54	0.65	0.10	0.16	0.26	—	1,149	1,149	0.05	0.04	1,163
2025	2.18	2.64	7.90	0.01	0.08	0.78	0.86	0.08	0.19	0.26	—	1,724	1,724	0.07	0.07	1,748

2026	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	0.82

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.7	17.6	136	0.27	0.56	21.1	21.7	0.56	5.37	5.92	873	39,058	39,931	89.5	1.43	42,684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.2	18.1	86.5	0.25	0.54	21.1	21.7	0.53	5.37	5.89	873	37,447	38,320	89.5	1.46	41,000
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.6	18.4	113	0.25	0.55	21.0	21.6	0.55	5.33	5.88	873	37,728	38,601	89.5	1.47	41,320
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.68	3.36	20.6	0.05	0.10	3.84	3.94	0.10	0.97	1.07	145	6,246	6,391	14.8	0.24	6,841

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	10.6	97.8	0.24	0.18	21.1	21.3	0.17	5.37	5.53	—	24,849	24,849	0.98	1.10	25,287
Area	15.1	0.32	34.3	< 0.005	0.02	—	0.02	0.03	—	0.03	0.00	106	106	< 0.005	< 0.005	106
Energy	0.17	3.06	1.98	0.02	0.24	—	0.24	0.24	—	0.24	—	13,128	13,128	0.91	0.08	13,174

Water	—	—	—	—	—	—	—	—	—	—	100.0	552	652	10.3	0.25	983
Waste	—	—	—	—	—	—	—	—	—	—	773	0.00	773	77.3	0.00	2,705
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52
Stationary	0.83	3.70	2.11	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	423	423	0.02	< 0.005	425
Total	27.7	17.6	136	0.27	0.56	21.1	21.7	0.56	5.37	5.92	873	39,058	39,931	89.5	1.43	42,684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.9	11.3	82.4	0.23	0.18	21.1	21.3	0.17	5.37	5.53	—	23,344	23,344	1.02	1.13	23,710
Area	11.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.17	3.06	1.98	0.02	0.24	—	0.24	0.24	—	0.24	—	13,128	13,128	0.91	0.08	13,174
Water	—	—	—	—	—	—	—	—	—	—	100.0	552	652	10.3	0.25	983
Waste	—	—	—	—	—	—	—	—	—	—	773	0.00	773	77.3	0.00	2,705
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52
Stationary	0.83	3.70	2.11	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	423	423	0.02	< 0.005	425
Total	23.2	18.1	86.5	0.25	0.54	21.1	21.7	0.53	5.37	5.89	873	37,447	38,320	89.5	1.46	41,000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.8	11.5	85.4	0.23	0.18	21.0	21.2	0.17	5.33	5.50	—	23,562	23,562	1.02	1.14	23,966
Area	13.9	0.22	23.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	72.4	72.4	< 0.005	< 0.005	72.6
Energy	0.17	3.06	1.98	0.02	0.24	—	0.24	0.24	—	0.24	—	13,128	13,128	0.91	0.08	13,174
Water	—	—	—	—	—	—	—	—	—	—	100.0	552	652	10.3	0.25	983
Waste	—	—	—	—	—	—	—	—	—	—	773	0.00	773	77.3	0.00	2,705
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52
Stationary	0.81	3.62	2.06	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	414	414	0.02	< 0.005	415
Total	25.6	18.4	113	0.25	0.55	21.0	21.6	0.55	5.33	5.88	873	37,728	38,601	89.5	1.47	41,320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.97	2.11	15.6	0.04	0.03	3.84	3.87	0.03	0.97	1.00	—	3,901	3,901	0.17	0.19	3,968
Area	2.53	0.04	4.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.0	12.0	< 0.005	< 0.005	12.0

Energy	0.03	0.56	0.36	< 0.005	0.04	—	0.04	0.04	—	0.04	—	2,173	2,173	0.15	0.01	2,181
Water	—	—	—	—	—	—	—	—	—	—	16.6	91.4	108	1.70	0.04	163
Waste	—	—	—	—	—	—	—	—	—	—	128	0.00	128	12.8	0.00	448
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75
Stationary	0.15	0.66	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	68.5	68.5	< 0.005	< 0.005	68.8
Total	4.68	3.36	20.6	0.05	0.10	3.84	3.94	0.10	0.97	1.07	145	6,246	6,391	14.8	0.24	6,841

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	30.0	21.6	0.04	0.88	—	0.88	0.81	—	0.81	—	3,918	3,918	0.16	0.03	3,931
Dust From Material Movement	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.65	1.18	< 0.005	0.05	—	0.05	0.04	—	0.04	—	215	215	0.01	< 0.005	215

Dust From Material Movement	—	—	—	—	—	0.28	0.28	—	0.14	0.14	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	35.5	35.5	< 0.005	< 0.005	35.7
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	99.2	99.2	< 0.005	< 0.005	100
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.51	5.51	< 0.005	< 0.005	5.58
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	0.92
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
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

3.3. Grading (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	92.8	66.7	0.12	2.48	—	2.48	2.24	—	2.24	—	12,622	12,622	0.51	0.10	12,666
Dust From Material Movement	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	7.63	5.48	0.01	0.20	—	0.20	0.18	—	0.18	—	1,037	1,037	0.04	0.01	1,041
Dust From Material Movement	—	—	—	—	—	0.59	0.59	—	0.23	0.23	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.39	1.00	< 0.005	0.04	—	0.04	0.03	—	0.03	—	172	172	0.01	< 0.005	172
Dust From Material Movement	—	—	—	—	—	0.11	0.11	—	0.04	0.04	—	—	—	—	—	—

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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.18	2.05	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	430	430	0.02	0.02	435
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
Hauling	0.02	1.24	0.29	0.01	0.02	0.27	0.29	0.02	0.08	0.10	—	1,051	1,051	0.02	0.17	1,102
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.8	35.8	< 0.005	< 0.005	36.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	86.4	86.4	< 0.005	0.01	90.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.92	5.92	< 0.005	< 0.005	6.01
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
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	15.0

3.5. Building Construction (2024) - Unmitigated

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

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

Off-Road Equipment	0.85	14.1	34.9	0.08	0.50	—	0.50	0.46	—	0.46	—	7,044	7,044	0.29	0.06	7,068
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	14.1	34.9	0.08	0.50	—	0.50	0.46	—	0.46	—	7,044	7,044	0.29	0.06	7,068
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.93	12.2	0.03	0.17	—	0.17	0.16	—	0.16	—	2,454	2,454	0.10	0.02	2,462
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.90	2.22	< 0.005	0.03	—	0.03	0.03	—	0.03	—	406	406	0.02	< 0.005	408
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.97	1.86	32.1	0.00	0.00	5.03	5.03	0.00	1.18	1.18	—	5,537	5,537	0.23	0.19	5,621
Vendor	0.08	2.92	0.91	0.02	0.04	0.71	0.75	0.04	0.20	0.23	—	2,572	2,572	0.06	0.39	2,696
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	2.19	24.3	0.00	0.00	5.03	5.03	0.00	1.18	1.18	—	5,088	5,088	0.24	0.19	5,152

Vendor	0.07	3.05	0.93	0.02	0.04	0.71	0.75	0.04	0.20	0.23	—	2,574	2,574	0.06	0.39	2,691
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.76	8.90	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,795	1,795	0.08	0.07	1,820
Vendor	0.03	1.06	0.32	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	896	896	0.02	0.13	938
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.14	1.62	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	297	297	0.01	0.01	301
Vendor	< 0.005	0.19	0.06	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	148	148	< 0.005	0.02	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	14.1	34.9	0.08	0.50	—	0.50	0.46	—	0.46	—	7,044	7,044	0.29	0.06	7,068
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	14.1	34.9	0.08	0.50	—	0.50	0.46	—	0.46	—	7,044	7,044	0.29	0.06	7,068
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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	9.38	23.1	0.05	0.33	—	0.33	0.31	—	0.31	—	4,673	4,673	0.19	0.04	4,689
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.71	4.22	0.01	0.06	—	0.06	0.06	—	0.06	—	774	774	0.03	0.01	776
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.68	29.7	0.00	0.00	5.03	5.03	0.00	1.18	1.18	—	5,421	5,421	0.22	0.19	5,504
Vendor	0.06	2.78	0.86	0.02	0.04	0.71	0.75	0.04	0.20	0.23	—	2,535	2,535	0.06	0.39	2,658
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.62	1.86	22.4	0.00	0.00	5.03	5.03	0.00	1.18	1.18	—	4,984	4,984	0.23	0.19	5,047
Vendor	0.05	2.91	0.89	0.02	0.04	0.71	0.75	0.04	0.20	0.23	—	2,536	2,536	0.06	0.39	2,653
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	1.34	15.7	0.00	0.00	3.32	3.32	0.00	0.78	0.78	—	3,348	3,348	0.15	0.13	3,396
Vendor	0.04	1.93	0.58	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,682	1,682	0.04	0.26	1,761
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.24	2.87	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	554	554	0.03	0.02	562

Vendor	0.01	0.35	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	278	278	0.01	0.04	292
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

3.9. Paving (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	13.3	10.6	0.01	0.58	—	0.58	0.54	—	0.54	—	1,511	1,511	0.06	0.01	1,517
Paving	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.55	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	—	62.1	62.1	< 0.005	< 0.005	62.3
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.10	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.3	10.3	< 0.005	< 0.005	10.3
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	197
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.09	8.09	< 0.005	< 0.005	8.20
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	1.36
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
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

3.11. Architectural Coating (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	2.18	1.93	< 0.005	0.13	—	0.13	0.12	—	0.12	—	267	267	0.01	< 0.005	268

Architectural	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	2.18	1.93	< 0.005	0.13	—	0.13	0.12	—	0.12	—	267	267	0.01	< 0.005	268
Architectural Coatings	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	133	133	0.01	< 0.005	134
Architectural Coatings	10.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.1	22.1	< 0.005	< 0.005	22.1
Architectural Coatings	1.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.34	0.34	5.94	0.00	0.00	1.01	1.01	0.00	0.24	0.24	—	1,084	1,084	0.04	0.04	1,101
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.37	4.49	0.00	0.00	1.01	1.01	0.00	0.24	0.24	—	997	997	0.05	0.04	1,009
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.37	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	504	504	0.02	0.02	511
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.43	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.4	83.4	< 0.005	< 0.005	84.6
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
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

3.13. Architectural Coating (2026) - Unmitigated

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

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

Off-Road Equipment	0.10	2.18	1.93	< 0.005	0.13	—	0.13	0.12	—	0.12	—	267	267	0.01	< 0.005	268
Architectural Coatings	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.05	1.05	< 0.005	< 0.005	1.05
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.17	0.17	< 0.005	< 0.005	0.17
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.34	4.19	0.00	0.00	1.01	1.01	0.00	0.24	0.24	—	976	976	0.02	0.04	987
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
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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.87	3.87	< 0.005	< 0.005	3.92
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	0.65
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
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

3.15. Utility Trenching (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	5.21	4.06	0.01	0.21	—	0.21	0.20	—	0.20	—	581	581	0.02	< 0.005	583
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.43	0.33	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.8	47.8	< 0.005	< 0.005	47.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.08	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.91	7.91	< 0.005	< 0.005	7.93
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.42	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	72.0	72.0	< 0.005	< 0.005	73.1
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.51	5.51	< 0.005	< 0.005	5.58
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	0.92
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
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

3.17. Ground Improvement (2024) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	15.7	12.9	0.02	0.76	—	0.76	0.71	—	0.71	—	2,090	2,090	0.08	0.02	2,097
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	15.7	12.9	0.02	0.76	—	0.76	0.71	—	0.71	—	2,090	2,090	0.08	0.02	2,097
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	2.37	1.95	< 0.005	0.11	—	0.11	0.11	—	0.11	—	315	315	0.01	< 0.005	316
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.43	0.36	< 0.005	0.02	—	0.02	0.02	—	0.02	—	52.1	52.1	< 0.005	< 0.005	52.3
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	1.88	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	324	324	0.01	0.01	329
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
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.42	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	298	298	0.01	0.01	301
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.23	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	45.4	45.4	< 0.005	< 0.005	46.1
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.52	7.52	< 0.005	< 0.005	7.63
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
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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	3.80	3.52	32.6	0.08	0.06	7.08	7.14	0.06	1.80	1.85	—	8,323	8,323	0.32	0.37	8,469

General Office Building	4.69	4.68	43.8	0.11	0.08	9.69	9.78	0.08	2.46	2.54	—	11,360	11,360	0.42	0.49	11,556
Apartments Mid Rise	3.14	2.37	21.4	0.05	0.04	4.36	4.40	0.04	1.11	1.14	—	5,166	5,166	0.23	0.24	5,262
Parking Lot	0.00	0.00	0.00	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	11.6	10.6	97.8	0.24	0.18	21.1	21.3	0.17	5.37	5.53	—	24,849	24,849	0.98	1.10	25,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	3.55	3.77	27.4	0.08	0.06	7.08	7.14	0.06	1.80	1.85	—	7,818	7,818	0.34	0.38	7,940
General Office Building	4.39	5.02	36.5	0.10	0.08	9.69	9.78	0.08	2.46	2.54	—	10,670	10,670	0.44	0.51	10,832
Apartments Mid Rise	2.92	2.54	18.5	0.05	0.04	4.36	4.40	0.04	1.11	1.14	—	4,856	4,856	0.25	0.25	4,938
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	10.9	11.3	82.4	0.23	0.18	21.1	21.3	0.17	5.37	5.53	—	23,344	23,344	1.02	1.13	23,710
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	0.64	0.70	5.18	0.01	0.01	1.29	1.30	0.01	0.33	0.34	—	1,306	1,306	0.06	0.06	1,329
General Office Building	0.80	0.93	6.91	0.02	0.01	1.76	1.77	0.01	0.45	0.46	—	1,783	1,783	0.07	0.08	1,813
Apartments Mid Rise	0.53	0.47	3.48	0.01	0.01	0.79	0.80	0.01	0.20	0.21	—	811	811	0.04	0.04	826

Parking Lot	0.00	0.00	0.00	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	1.97	2.11	15.6	0.04	0.03	3.84	3.87	0.03	0.97	1.00	—	3,901	3,901	0.17	0.19	3,968

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	2,335	2,335	0.14	0.02	2,344
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,286	3,286	0.20	0.02	3,298
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	3,596	3,596	0.22	0.03	3,610
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	155	155	0.01	< 0.005	155
Total	—	—	—	—	—	—	—	—	—	—	—	9,372	9,372	0.58	0.07	9,407
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	2,335	2,335	0.14	0.02	2,344
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,286	3,286	0.20	0.02	3,298

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	3,596	3,596	0.22	0.03	3,610
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	155	155	0.01	< 0.005	155
Total	—	—	—	—	—	—	—	—	—	—	—	9,372	9,372	0.58	0.07	9,407
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	387	387	0.02	< 0.005	388
General Office Building	—	—	—	—	—	—	—	—	—	—	—	544	544	0.03	< 0.005	546
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	595	595	0.04	< 0.005	598
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6	< 0.005	< 0.005	25.7
Total	—	—	—	—	—	—	—	—	—	—	—	1,552	1,552	0.10	0.01	1,557

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	0.04	0.68	0.57	< 0.005	0.05	—	0.05	0.05	—	0.05	—	812	812	0.07	< 0.005	814
General Office Building	0.05	0.96	0.80	0.01	0.07	—	0.07	0.07	—	0.07	—	1,143	1,143	0.10	< 0.005	1,146
Apartments Mid Rise	0.08	1.42	0.60	0.01	0.11	—	0.11	0.11	—	0.11	—	1,802	1,802	0.16	< 0.005	1,807

Parking Lot	0.00	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	0.17	3.06	1.98	0.02	0.24	—	0.24	0.24	—	0.24	—	3,756	3,756	0.33	0.01	3,767
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	0.04	0.68	0.57	< 0.005	0.05	—	0.05	0.05	—	0.05	—	812	812	0.07	< 0.005	814
General Office Building	0.05	0.96	0.80	0.01	0.07	—	0.07	0.07	—	0.07	—	1,143	1,143	0.10	< 0.005	1,146
Apartments Mid Rise	0.08	1.42	0.60	0.01	0.11	—	0.11	0.11	—	0.11	—	1,802	1,802	0.16	< 0.005	1,807
Parking Lot	0.00	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	0.17	3.06	1.98	0.02	0.24	—	0.24	0.24	—	0.24	—	3,756	3,756	0.33	0.01	3,767
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	135
General Office Building	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	189	189	0.02	< 0.005	190
Apartments Mid Rise	0.02	0.26	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	298	298	0.03	< 0.005	299
Parking Lot	0.00	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	0.03	0.56	0.36	< 0.005	0.04	—	0.04	0.04	—	0.04	—	622	622	0.06	< 0.005	624

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.77	0.32	34.3	< 0.005	0.02	—	0.02	0.03	—	0.03	—	106	106	< 0.005	< 0.005	106
Total	15.1	0.32	34.3	< 0.005	0.02	—	0.02	0.03	—	0.03	0.00	106	106	< 0.005	< 0.005	106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.04	4.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	12.0
Total	2.53	0.04	4.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.0	12.0	< 0.005	< 0.005	12.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	22.0	148	170	2.26	0.05	243
General Office Building	—	—	—	—	—	—	—	—	—	—	44.0	228	272	4.53	0.11	418
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	34.0	176	210	3.50	0.08	322
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	100.0	552	652	10.3	0.25	983
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Medical Office Building	—	—	—	—	—	—	—	—	—	—	22.0	148	170	2.26	0.05	243
General Office Building	—	—	—	—	—	—	—	—	—	—	44.0	228	272	4.53	0.11	418
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	34.0	176	210	3.50	0.08	322
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	100.0	552	652	10.3	0.25	983
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	3.64	24.5	28.1	0.37	0.01	40.2
General Office Building	—	—	—	—	—	—	—	—	—	—	7.29	37.7	45.0	0.75	0.02	69.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5.63	29.1	34.8	0.58	0.01	53.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	16.6	91.4	108	1.70	0.04	163

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	535	0.00	535	53.4	0.00	1,870
General Office Building	—	—	—	—	—	—	—	—	—	—	64.8	0.00	64.8	6.47	0.00	227
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	174	0.00	174	17.4	0.00	608
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	773	0.00	773	77.3	0.00	2,705
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	535	0.00	535	53.4	0.00	1,870
General Office Building	—	—	—	—	—	—	—	—	—	—	64.8	0.00	64.8	6.47	0.00	227
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	174	0.00	174	17.4	0.00	608
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	773	0.00	773	77.3	0.00	2,705
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	88.5	0.00	88.5	8.85	0.00	310

General Office Building	—	—	—	—	—	—	—	—	—	—	10.7	0.00	10.7	1.07	0.00	37.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	28.8	0.00	28.8	2.87	0.00	101
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	128	0.00	128	12.8	0.00	448

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.35
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.86
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.35

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.86
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.83	3.70	2.11	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	423	423	0.02	< 0.005	425
Total	0.83	3.70	2.11	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	423	423	0.02	< 0.005	425
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.83	3.70	2.11	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	423	423	0.02	< 0.005	425
Total	0.83	3.70	2.11	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	0.00	423	423	0.02	< 0.005	425
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.66	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	68.5	68.5	< 0.005	< 0.005	68.8
Total	0.15	0.66	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	68.5	68.5	< 0.005	< 0.005	68.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2024	1/26/2024	5.00	20.0	—
Grading	Grading	1/29/2024	3/8/2024	5.00	30.0	—

Building Construction	Building Construction	7/7/2024	12/5/2025	5.00	370	—
Paving	Paving	12/8/2025	12/26/2025	5.00	15.0	—
Architectural Coating	Architectural Coating	4/21/2025	1/2/2026	5.00	185	—
Utility Trenching	Trenching	5/26/2024	7/5/2024	5.00	30.0	—
Ground Improvement	Trenching	3/10/2024	5/24/2024	5.00	55.0	—

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
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	1.00	16.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	16.0	84.0	0.37
Grading	Excavators	Diesel	Tier 2	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 2	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 2	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	9.00	529	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	8.00	192	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	437	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Forklifts	Diesel	Tier 2	1.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29

Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 2	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 2	2.00	6.00	37.0	0.48
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	8.00	84.0	0.37
Ground Improvement	Excavators	Diesel	Tier 2	2.00	10.0	36.0	0.38
Ground Improvement	Bore/Drill Rigs	Diesel	Tier 2	1.00	10.0	83.0	0.50
Ground Improvement	Generator Sets	Diesel	Tier 2	2.00	10.0	14.0	0.74
Ground Improvement	Air Compressors	Diesel	Tier 2	2.00	10.0	37.0	0.48
Ground Improvement	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	10.0	84.0	0.37
Ground Improvement	Forklifts	Diesel	Tier 2	1.00	10.0	82.0	0.20

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	32.5	18.5	LDA,LDT1,LDT2

Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	15.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	385	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	82.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	76.9	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
Utility Trenching	—	—	—	—
Utility Trenching	Worker	5.00	18.5	LDA,LDT1,LDT2
Utility Trenching	Vendor	—	10.2	HHDT,MHDT
Utility Trenching	Hauling	0.00	20.0	HHDT
Utility Trenching	Onsite truck	—	—	HHDT
Ground Improvement	—	—	—	—
Ground Improvement	Worker	22.5	18.5	LDA,LDT1,LDT2
Ground Improvement	Vendor	—	10.2	HHDT,MHDT
Ground Improvement	Hauling	0.00	20.0	HHDT

Ground Improvement	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

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	525,018	175,006	331,640	110,547	7,266

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	20.0	0.00	—
Grading	0.00	6,000	180	0.00	—
Paving	0.00	0.00	0.00	0.00	2.78

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Medical Office Building	0.00	0%
Medical Office Building	0.00	0%
General Office Building	0.00	0%
Apartments Mid Rise	—	0%
Apartments Mid Rise	—	0%
Parking Lot	2.78	100%
General Office Building	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	123	532	0.03	< 0.005
2025	123	532	0.03	< 0.005
2026	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
Medical Office Building	465	465	465	169,695	5,010	5,010	5,010	1,828,475
Medical Office Building	463	463	463	168,988	4,989	4,989	4,989	1,820,852
General Office Building	788	788	788	287,636	8,491	8,491	8,491	3,099,297

Apartments Mid Rise	539	539	539	196,633	4,040	4,040	4,040	1,474,770
Apartments Mid Rise	281	281	281	102,711	2,111	2,111	2,111	770,345
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	325	325	325	118,589	5,191	5,191	5,191	1,894,653

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0

Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
525017.7	175,006	331,640	110,547	7,266

5.10.3. Landscape Equipment

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)
Medical Office Building	712,623	532	0.0330	0.0040	1,127,025
Medical Office Building	889,410	532	0.0330	0.0040	1,406,616
General Office Building	1,731,235	532	0.0330	0.0040	2,737,975
Apartments Mid Rise	1,675,111	532	0.0330	0.0040	3,816,272
Apartments Mid Rise	792,282	532	0.0330	0.0040	1,804,994
Parking Lot	106,081	532	0.0330	0.0040	0.00
General Office Building	523,295	532	0.0330	0.0040	827,600

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Medical Office Building	5,080,707	4,397,086
Medical Office Building	6,398,127	0.00
General Office Building	17,640,074	0.00
Apartments Mid Rise	12,039,437	0.00
Apartments Mid Rise	5,694,329	0.00
Parking Lot	0.00	0.00
General Office Building	5,332,012	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Medical Office Building	441	—
Medical Office Building	551	—
General Office Building	92.3	—
Apartments Mid Rise	219	—
Apartments Mid Rise	103	—
Parking Lot	0.00	—
General Office Building	27.9	—

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
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
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
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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	4.00	0.14	50.0	900	0.73

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction of the proposed project would begin in 2024 and end in 2026. Overlap between building construction and architectural coating. Construction phases and duration provided by applicant
Construction: Off-Road Equipment	Construction equipment, number of equipment, hours of operation, and days of operation are provided by project applicant. All other default equipment would be assumed to use Tier 2 engine
Operations: Vehicle Data	Based on a total of 2,862 ADT or 788 ADT for the community center, 465 ADT for the Children and Youth center, 463 ADT for the urgent care center, 539 ADT for the transitional housing, 282 ADT for the extended care living, and 325 ADT for the office space
Operations: Hearths	Assuming no woodburning hearths
Land Use	Project site is approximately 19.41 acres, proposed project would develop 5 buildings and a 30,000 sf future office building space. Total landscape area would be approximately 275,895 sf.
Operations: Water and Waste Water	Proposed project would have a maximum applied water allowance (MAWA) of approximately 4,397,086 gallons per year for outdoor water use. Note: This is the maximum amount of water the proposed project would consumed as allowed by the project design, actual water use is estimated to be lower than the MAWA estimate
Operations: Emergency Generators and Fire Pumps	Project would include 4 generators of approximately 900 hp with a runtime of 50 hours per year
Construction: Trips and VMT	Proposed project would have a total of approximately 428 hauling trucks for the grading phase that would travel in a 20 mile radius, as provided by the project applicant