

South Park Towers Project Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

3.2. Demolition (2023) - Mitigated

3.3. Grading (2023) - Unmitigated

3.4. Grading (2023) - Mitigated

3.5. Building Construction (2023) - Unmitigated

3.6. Building Construction (2023) - Mitigated

3.7. Building Construction (2023) - Unmitigated

3.8. Building Construction (2023) - Mitigated

3.9. Building Construction (2024) - Unmitigated

3.10. Building Construction (2024) - Mitigated

3.11. Paving (2025) - Unmitigated

3.12. Paving (2025) - Mitigated

3.13. Architectural Coating (2024) - Unmitigated

3.14. Architectural Coating (2024) - Mitigated

3.15. Architectural Coating (2025) - Unmitigated

3.16. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	South Park Towers Project
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	1600 Flower St, Los Angeles, CA 90015, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4060
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments High Rise	250	Dwelling Unit	1.73	241,510	14,660	—	740	—
Hotel	300	Room	0.00	198,000	0.00	—	—	—

High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.00	3,120	0.00	—	—	—
Medical Office Building	10.0	1000sqft	0.00	10,000	0.00	—	—	—
Enclosed Parking with Elevator	288	Space	0.00	147,142	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Transportation	T-1	Increase Residential Density
Transportation	T-3	Provide Transit-Oriented Development
Transportation	T-8	Provide Ridesharing Program
Transportation	T-16	Unbundle Residential Parking Costs from Property Cost
Transportation	T-34*	Provide Bike Parking
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Energy	E-15	Require All-Electric Development
Energy	E-25*	Install Electric Heat Pumps
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	38.1	41.5	0.13	1.06	7.17	8.23	0.99	2.51	3.50	—	18,650	18,650	1.01	2.53	37.1	19,467
Mit.	13.2	38.1	41.5	0.13	1.06	7.17	8.23	0.99	2.51	3.50	—	18,650	18,650	1.01	2.53	37.1	19,467
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	15.4	34.8	0.04	0.45	5.04	5.49	0.42	1.21	1.63	—	9,106	9,106	0.39	0.56	0.72	9,282
Mit.	13.2	15.4	34.8	0.04	0.45	5.04	5.49	0.42	1.21	1.63	—	9,106	9,106	0.39	0.56	0.72	9,282
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.73	12.8	25.2	0.03	0.36	3.32	3.68	0.34	0.84	1.18	—	6,774	6,774	0.33	0.57	7.75	6,960
Mit.	6.73	12.8	25.2	0.03	0.36	3.32	3.68	0.34	0.84	1.18	—	6,774	6,774	0.33	0.57	7.75	6,960
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.23	2.34	4.59	0.01	0.07	0.61	0.67	0.06	0.15	0.22	—	1,122	1,122	0.05	0.09	1.28	1,152
Mit.	1.23	2.34	4.59	0.01	0.07	0.61	0.67	0.06	0.15	0.22	—	1,122	1,122	0.05	0.09	1.28	1,152
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—

Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

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	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.00	38.1	41.5	0.13	1.06	7.17	8.23	0.99	2.51	3.50	—	18,650	18,650	1.01	2.53	37.1	19,467
2024	13.2	14.3	36.6	0.04	0.41	5.04	5.45	0.38	1.21	1.59	—	9,210	9,210	0.38	0.55	25.8	9,409
2025	13.1	11.8	23.0	0.02	0.31	1.72	2.03	0.29	0.40	0.69	—	3,615	3,615	0.15	0.08	6.67	3,648
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.82	15.4	34.8	0.04	0.45	5.04	5.49	0.42	1.21	1.63	—	9,106	9,106	0.39	0.56	0.72	9,282
2024	13.2	14.7	32.7	0.04	0.41	5.04	5.45	0.38	1.21	1.59	—	8,968	8,968	0.39	0.56	0.67	9,144
2025	13.1	11.9	21.6	0.02	0.31	1.72	2.03	0.29	0.40	0.69	—	3,520	3,520	0.15	0.08	0.17	3,548
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.71	12.8	21.4	0.03	0.36	3.32	3.68	0.34	0.84	1.18	—	6,774	6,774	0.33	0.57	7.75	6,960
2024	6.03	11.8	25.2	0.03	0.33	3.12	3.45	0.31	0.75	1.06	—	5,831	5,831	0.25	0.31	6.74	5,936
2025	6.73	7.35	13.2	0.01	0.22	0.90	1.12	0.20	0.21	0.41	—	2,118	2,118	0.09	0.04	1.53	2,135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2023	0.31	2.34	3.91	0.01	0.07	0.61	0.67	0.06	0.15	0.22	—	1,122	1,122	0.05	0.09	1.28	1,152
2024	1.10	2.15	4.59	< 0.005	0.06	0.57	0.63	0.06	0.14	0.19	—	965	965	0.04	0.05	1.12	983
2025	1.23	1.34	2.41	< 0.005	0.04	0.16	0.20	0.04	0.04	0.07	—	351	351	0.01	0.01	0.25	353

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.00	38.1	41.5	0.13	1.06	7.17	8.23	0.99	2.51	3.50	—	18,650	18,650	1.01	2.53	37.1	19,467
2024	13.2	14.3	36.6	0.04	0.41	5.04	5.45	0.38	1.21	1.59	—	9,210	9,210	0.38	0.55	25.8	9,409
2025	13.1	11.8	23.0	0.02	0.31	1.72	2.03	0.29	0.40	0.69	—	3,615	3,615	0.15	0.08	6.67	3,648
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.82	15.4	34.8	0.04	0.45	5.04	5.49	0.42	1.21	1.63	—	9,106	9,106	0.39	0.56	0.72	9,282
2024	13.2	14.7	32.7	0.04	0.41	5.04	5.45	0.38	1.21	1.59	—	8,968	8,968	0.39	0.56	0.67	9,144
2025	13.1	11.9	21.6	0.02	0.31	1.72	2.03	0.29	0.40	0.69	—	3,520	3,520	0.15	0.08	0.17	3,548
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.71	12.8	21.4	0.03	0.36	3.32	3.68	0.34	0.84	1.18	—	6,774	6,774	0.33	0.57	7.75	6,960
2024	6.03	11.8	25.2	0.03	0.33	3.12	3.45	0.31	0.75	1.06	—	5,831	5,831	0.25	0.31	6.74	5,936
2025	6.73	7.35	13.2	0.01	0.22	0.90	1.12	0.20	0.21	0.41	—	2,118	2,118	0.09	0.04	1.53	2,135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.31	2.34	3.91	0.01	0.07	0.61	0.67	0.06	0.15	0.22	—	1,122	1,122	0.05	0.09	1.28	1,152
2024	1.10	2.15	4.59	< 0.005	0.06	0.57	0.63	0.06	0.14	0.19	—	965	965	0.04	0.05	1.12	983
2025	1.23	1.34	2.41	< 0.005	0.04	0.16	0.20	0.04	0.04	0.07	—	351	351	0.01	0.01	0.25	353

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	31.0	20.3	155	0.29	0.60	9.53	10.1	0.60	1.70	2.30	302	38,700	39,002	32.5	1.30	418	40,619
Mit.	26.0	16.1	114	0.20	0.49	6.26	6.76	0.49	1.12	1.61	109	28,408	28,517	12.6	0.89	383	29,483
% Reduced	16%	21%	27%	33%	18%	34%	33%	18%	34%	30%	64%	27%	27%	61%	31%	8%	27%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.0	21.1	117	0.28	0.58	9.53	10.1	0.57	1.70	2.26	302	37,444	37,747	32.6	1.36	319	39,284
Mit.	22.0	16.5	78.6	0.19	0.47	6.26	6.73	0.46	1.12	1.57	109	27,548	27,657	12.7	0.93	318	28,570
% Reduced	19%	22%	33%	33%	19%	34%	33%	19%	34%	30%	64%	26%	27%	61%	31%	< 0.5%	27%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.8	13.4	125	0.25	0.35	8.55	8.90	0.35	1.52	1.87	302	34,315	34,617	32.4	1.24	356	36,153
Mit.	22.2	9.09	89.4	0.16	0.25	5.58	5.83	0.25	0.99	1.24	109	25,150	25,259	12.5	0.85	342	26,168
% Reduced	17%	32%	29%	34%	30%	35%	35%	29%	35%	34%	64%	27%	27%	61%	31%	4%	28%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.90	2.45	22.9	0.05	0.06	1.56	1.62	0.06	0.28	0.34	50.0	5,681	5,731	5.37	0.21	58.9	5,985
Mit.	4.06	1.66	16.3	0.03	0.04	1.02	1.06	0.04	0.18	0.23	18.0	4,164	4,182	2.08	0.14	56.6	4,332
% Reduced	17%	32%	29%	34%	30%	35%	35%	29%	35%	34%	64%	27%	27%	61%	31%	4%	28%

Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.8	10.7	120	0.27	0.18	9.53	9.71	0.17	1.70	1.86	—	27,571	27,571	1.41	1.12	101	28,041
Area	14.5	0.27	29.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	102	102	< 0.005	< 0.005	—	102
Energy	0.11	2.05	1.46	0.01	0.16	—	0.16	0.16	—	0.16	—	9,940	9,940	0.75	0.08	—	9,982
Water	—	—	—	—	—	—	—	—	—	—	36.6	248	285	3.77	0.09	—	407
Waste	—	—	—	—	—	—	—	—	—	—	266	0.00	266	26.5	0.00	—	929
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	31.0	20.3	155	0.29	0.60	9.53	10.1	0.60	1.70	2.30	302	38,700	39,002	32.5	1.30	418	40,619

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.6	11.7	111	0.26	0.18	9.53	9.71	0.17	1.70	1.86	—	26,417	26,417	1.48	1.18	2.62	26,808
Area	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	2.05	1.46	0.01	0.16	—	0.16	0.16	—	0.16	—	9,940	9,940	0.75	0.08	—	9,982
Water	—	—	—	—	—	—	—	—	—	—	36.6	248	285	3.77	0.09	—	407
Waste	—	—	—	—	—	—	—	—	—	—	266	0.00	266	26.5	0.00	—	929
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	27.0	21.1	117	0.28	0.58	9.53	10.1	0.57	1.70	2.26	302	37,444	37,747	32.6	1.36	319	39,284
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.4	10.7	103	0.23	0.16	8.55	8.71	0.15	1.52	1.67	—	24,002	24,002	1.34	1.07	39.2	24,393
Area	13.3	0.18	20.4	< 0.005	0.02	—	0.02	0.02	—	0.02	—	69.9	69.9	< 0.005	< 0.005	—	70.1
Energy	0.11	2.05	1.46	0.01	0.16	—	0.16	0.16	—	0.16	—	9,940	9,940	0.75	0.08	—	9,982
Water	—	—	—	—	—	—	—	—	—	—	36.6	248	285	3.77	0.09	—	407
Waste	—	—	—	—	—	—	—	—	—	—	266	0.00	266	26.5	0.00	—	929
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Stationary	0.11	0.48	0.28	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.2	55.2	< 0.005	< 0.005	—	55.4
Total	26.8	13.4	125	0.25	0.35	8.55	8.90	0.35	1.52	1.87	302	34,315	34,617	32.4	1.24	356	36,153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.44	1.95	18.8	0.04	0.03	1.56	1.59	0.03	0.28	0.31	—	3,974	3,974	0.22	0.18	6.49	4,039
Area	2.42	0.03	3.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.02	0.37	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,646	1,646	0.12	0.01	—	1,653
Water	—	—	—	—	—	—	—	—	—	—	6.06	41.1	47.2	0.62	0.02	—	67.3
Waste	—	—	—	—	—	—	—	—	—	—	44.0	0.00	44.0	4.39	0.00	—	154

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4
Stationary	0.02	0.09	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.14	9.14	< 0.005	< 0.005	—	9.17
Total	4.90	2.45	22.9	0.05	0.06	1.56	1.62	0.06	0.28	0.34	50.0	5,681	5,731	5.37	0.21	58.9	5,985

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.79	7.03	79.0	0.18	0.12	6.26	6.38	0.11	1.12	1.22	—	18,120	18,120	0.93	0.74	66.5	18,429
Area	14.5	0.27	29.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	102	102	< 0.005	< 0.005	—	102
Energy	0.08	1.42	1.19	0.01	0.11	—	0.11	0.11	—	0.11	—	9,148	9,148	0.68	0.08	—	9,188
Water	—	—	—	—	—	—	—	—	—	—	29.3	199	228	3.02	0.07	—	325
Waste	—	—	—	—	—	—	—	—	—	—	79.7	0.00	79.7	7.96	0.00	—	279
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	26.0	16.1	114	0.20	0.49	6.26	6.76	0.49	1.12	1.61	109	28,408	28,517	12.6	0.89	383	29,483
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.64	7.70	73.3	0.17	0.12	6.26	6.38	0.11	1.12	1.22	—	17,362	17,362	0.98	0.78	1.72	17,619
Area	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.08	1.42	1.19	0.01	0.11	—	0.11	0.11	—	0.11	—	9,148	9,148	0.68	0.08	—	9,188
Water	—	—	—	—	—	—	—	—	—	—	29.3	199	228	3.02	0.07	—	325
Waste	—	—	—	—	—	—	—	—	—	—	79.7	0.00	79.7	7.96	0.00	—	279
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316

Stationar	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	22.0	16.5	78.6	0.19	0.47	6.26	6.73	0.46	1.12	1.57	109	27,548	27,657	12.7	0.93	318	28,570
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.80	7.00	67.6	0.15	0.10	5.58	5.69	0.10	0.99	1.09	—	15,678	15,678	0.88	0.70	25.6	15,934
Area	13.3	0.18	20.4	< 0.005	0.02	—	0.02	0.02	—	0.02	—	69.9	69.9	< 0.005	< 0.005	—	70.1
Energy	0.08	1.42	1.19	0.01	0.11	—	0.11	0.11	—	0.11	—	9,148	9,148	0.68	0.08	—	9,188
Water	—	—	—	—	—	—	—	—	—	—	29.3	199	228	3.02	0.07	—	325
Waste	—	—	—	—	—	—	—	—	—	—	79.7	0.00	79.7	7.96	0.00	—	279
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Stationar y	0.11	0.48	0.28	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.2	55.2	< 0.005	< 0.005	—	55.4
Total	22.2	9.09	89.4	0.16	0.25	5.58	5.83	0.25	0.99	1.24	109	25,150	25,259	12.5	0.85	342	26,168
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.61	1.28	12.3	0.03	0.02	1.02	1.04	0.02	0.18	0.20	—	2,596	2,596	0.15	0.12	4.24	2,638
Area	2.42	0.03	3.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	1,515	1,515	0.11	0.01	—	1,521
Water	—	—	—	—	—	—	—	—	—	—	4.85	32.9	37.7	0.50	0.01	—	53.8
Waste	—	—	—	—	—	—	—	—	—	—	13.2	0.00	13.2	1.32	0.00	—	46.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4
Stationar y	0.02	0.09	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.14	9.14	< 0.005	< 0.005	—	9.17
Total	4.06	1.66	16.3	0.03	0.04	1.02	1.06	0.04	0.18	0.23	18.0	4,164	4,182	2.08	0.14	56.6	4,332

3. Construction Emissions Details

3.1. Demolition (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	17.0	16.9	0.02	0.76	—	0.76	0.70	—	0.70	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	2.07	2.07	—	0.31	0.31	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.21	1.20	< 0.005	0.05	—	0.05	0.05	—	0.05	—	178	178	0.01	< 0.005	—	178
Demolition	—	—	—	—	—	0.15	0.15	—	0.02	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Demolition	—	—	—	—	—	0.03	0.03	—	< 0.005	< 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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.07	1.02	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	180	180	0.01	0.01	0.77	183
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
Hauling	0.08	5.05	1.81	0.03	0.05	1.09	1.14	0.05	0.29	0.34	—	4,084	4,084	0.23	0.64	9.34	4,291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.02	12.5
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
Hauling	0.01	0.38	0.13	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	291	291	0.02	0.05	0.29	305
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.07
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
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.2	48.2	< 0.005	0.01	0.05	50.5

3.2. Demolition (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	17.0	16.9	0.02	0.76	—	0.76	0.70	—	0.70	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	2.07	2.07	—	0.31	0.31	—	—	—	—	—	—	—
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.21	1.20	< 0.005	0.05	—	0.05	0.05	—	0.05	—	178	178	0.01	< 0.005	—	178
Demolition	—	—	—	—	—	0.15	0.15	—	0.02	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Demolition	—	—	—	—	—	0.03	0.03	—	< 0.005	< 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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	1.02	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	180	180	0.01	0.01	0.77	183
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
Hauling	0.08	5.05	1.81	0.03	0.05	1.09	1.14	0.05	0.29	0.34	—	4,084	4,084	0.23	0.64	9.34	4,291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.02	12.5
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
Hauling	0.01	0.38	0.13	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	291	291	0.02	0.05	0.29	305

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.07
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
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.2	48.2	< 0.005	0.01	0.05	50.5

3.3. Grading (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.89	18.4	17.3	0.02	0.87	—	0.87	0.80	—	0.80	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.31	1.23	< 0.005	0.06	—	0.06	0.06	—	0.06	—	185	185	0.01	< 0.005	—	185
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.6	30.6	< 0.005	< 0.005	—	30.7
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	1.02	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	180	180	0.01	0.01	0.77	183
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
Hauling	0.30	19.6	7.05	0.10	0.20	4.24	4.44	0.20	1.13	1.33	—	15,875	15,875	0.90	2.51	36.3	16,680
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.02	12.5
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
Hauling	0.02	1.47	0.50	0.01	0.01	0.30	0.31	0.01	0.08	0.09	—	1,131	1,131	0.06	0.18	1.11	1,187
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.07
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
Hauling	< 0.005	0.27	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	187	187	0.01	0.03	0.18	196

3.4. Grading (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.89	18.4	17.3	0.02	0.87	—	0.87	0.80	—	0.80	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.31	1.23	< 0.005	0.06	—	0.06	0.06	—	0.06	—	185	185	0.01	< 0.005	—	185
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.6	30.6	< 0.005	< 0.005	—	30.7
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	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	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	1.02	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	180	180	0.01	0.01	0.77	183
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
Hauling	0.30	19.6	7.05	0.10	0.20	4.24	4.44	0.20	1.13	1.33	—	15,875	15,875	0.90	2.51	36.3	16,680
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.02	12.5
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
Hauling	0.02	1.47	0.50	0.01	0.01	0.30	0.31	0.01	0.08	0.09	—	1,131	1,131	0.06	0.18	1.11	1,187
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.07
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
Hauling	< 0.005	0.27	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	187	187	0.01	0.03	0.18	196

3.5. Building Construction (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.81	10.2	0.02	0.41	—	0.41	0.38	—	0.38	—	1,801	1,801	0.07	0.01	—	1,807

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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.42	1.48	< 0.005	0.06	—	0.06	0.05	—	0.05	—	262	262	0.01	< 0.005	—	262
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.3	43.3	< 0.005	< 0.005	—	43.4
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.55	1.73	26.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,757	4,757	0.20	0.16	20.2	4,831
Vendor	0.11	3.41	1.72	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,796	2,796	0.11	0.38	7.47	2,920
Hauling	0.15	5.26	2.72	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	2,769	2,769	0.25	0.44	5.73	2,912
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.29	3.48	0.00	0.00	0.62	0.62	0.00	0.14	0.14	—	664	664	0.03	0.02	1.26	673
Vendor	0.01	0.52	0.25	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	406	406	0.02	0.06	0.47	423
Hauling	0.02	0.79	0.40	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	402	402	0.04	0.06	0.36	423
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.05	0.63	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.21	111
Vendor	< 0.005	0.09	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	67.2	67.2	< 0.005	0.01	0.08	70.1
Hauling	< 0.005	0.14	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	66.6	66.6	0.01	0.01	0.06	70.0

3.6. Building Construction (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.81	10.2	0.02	0.41	—	0.41	0.38	—	0.38	—	1,801	1,801	0.07	0.01	—	1,807
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.42	1.48	< 0.005	0.06	—	0.06	0.05	—	0.05	—	262	262	0.01	< 0.005	—	262
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.3	43.3	< 0.005	< 0.005	—	43.4
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.55	1.73	26.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,757	4,757	0.20	0.16	20.2	4,831
Vendor	0.11	3.41	1.72	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,796	2,796	0.11	0.38	7.47	2,920
Hauling	0.15	5.26	2.72	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	2,769	2,769	0.25	0.44	5.73	2,912
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.29	3.48	0.00	0.00	0.62	0.62	0.00	0.14	0.14	—	664	664	0.03	0.02	1.26	673
Vendor	0.01	0.52	0.25	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	406	406	0.02	0.06	0.47	423
Hauling	0.02	0.79	0.40	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	402	402	0.04	0.06	0.36	423
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.63	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.21	111
Vendor	< 0.005	0.09	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	67.2	67.2	< 0.005	0.01	0.08	70.1
Hauling	< 0.005	0.14	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	66.6	66.6	0.01	0.01	0.06	70.0

3.7. Building Construction (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.81	10.2	0.02	0.41	—	0.41	0.38	—	0.38	—	1,801	1,801	0.07	0.01	—	1,807
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.81	10.2	0.02	0.41	—	0.41	0.38	—	0.38	—	1,801	1,801	0.07	0.01	—	1,807
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.45	3.59	0.01	0.14	—	0.14	0.13	—	0.13	—	634	634	0.03	0.01	—	637
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.63	0.65	< 0.005	0.03	—	0.03	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.55	1.73	26.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,757	4,757	0.20	0.16	20.2	4,831
Vendor	0.11	3.41	1.72	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,796	2,796	0.11	0.38	7.47	2,920
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	2.02	22.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,507	4,507	0.21	0.16	0.52	4,562
Vendor	0.10	3.55	1.74	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,797	2,797	0.11	0.38	0.19	2,914
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.54	0.71	8.44	0.00	0.00	1.50	1.50	0.00	0.35	0.35	—	1,611	1,611	0.07	0.06	3.07	1,633
Vendor	0.04	1.26	0.61	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	985	985	0.04	0.13	1.14	1,027
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.54	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	267	267	0.01	0.01	0.51	270
Vendor	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	163	163	0.01	0.02	0.19	170
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

3.8. Building Construction (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.81	10.2	0.02	0.41	—	0.41	0.38	—	0.38	—	1,801	1,801	0.07	0.01	—	1,807
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.81	10.2	0.02	0.41	—	0.41	0.38	—	0.38	—	1,801	1,801	0.07	0.01	—	1,807
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.45	3.59	0.01	0.14	—	0.14	0.13	—	0.13	—	634	634	0.03	0.01	—	637

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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.63	0.65	< 0.005	0.03	—	0.03	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.55	1.73	26.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,757	4,757	0.20	0.16	20.2	4,831
Vendor	0.11	3.41	1.72	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,796	2,796	0.11	0.38	7.47	2,920
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	2.02	22.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,507	4,507	0.21	0.16	0.52	4,562
Vendor	0.10	3.55	1.74	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,797	2,797	0.11	0.38	0.19	2,914
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.71	8.44	0.00	0.00	1.50	1.50	0.00	0.35	0.35	—	1,611	1,611	0.07	0.06	3.07	1,633
Vendor	0.04	1.26	0.61	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	985	985	0.04	0.13	1.14	1,027
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.54	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	267	267	0.01	0.01	0.51	270
Vendor	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	163	163	0.01	0.02	0.19	170
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

3.9. 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	9.44	10.1	0.02	0.37	—	0.37	0.34	—	0.34	—	1,801	1,801	0.07	0.01	—	1,807
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	9.44	10.1	0.02	0.37	—	0.37	0.34	—	0.34	—	1,801	1,801	0.07	0.01	—	1,807
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.77	5.10	0.01	0.19	—	0.19	0.17	—	0.17	—	909	909	0.04	0.01	—	913
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.87	0.93	< 0.005	0.03	—	0.03	0.03	—	0.03	—	151	151	0.01	< 0.005	—	151
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.48	1.58	24.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,652	4,652	0.19	0.16	18.4	4,722
Vendor	0.08	3.24	1.59	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,757	2,757	0.11	0.38	7.47	2,880
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.46	1.87	21.0	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,409	4,409	0.20	0.16	0.48	4,463
Vendor	0.08	3.37	1.63	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,758	2,758	0.11	0.38	0.19	2,874
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.94	11.2	0.00	0.00	2.15	2.15	0.00	0.50	0.50	—	2,259	2,259	0.10	0.08	4.00	2,290
Vendor	0.04	1.72	0.81	0.01	0.02	0.37	0.38	0.02	0.10	0.12	—	1,392	1,392	0.06	0.19	1.62	1,452
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.17	2.04	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	374	374	0.02	0.01	0.66	379
Vendor	0.01	0.31	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	230	230	0.01	0.03	0.27	240
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

3.10. Building Construction (2024) - Mitigated

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

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

Off-Road Equipment	1.13	9.44	10.1	0.02	0.37	—	0.37	0.34	—	0.34	—	1,801	1,801	0.07	0.01	—	1,807
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	9.44	10.1	0.02	0.37	—	0.37	0.34	—	0.34	—	1,801	1,801	0.07	0.01	—	1,807
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.77	5.10	0.01	0.19	—	0.19	0.17	—	0.17	—	909	909	0.04	0.01	—	913
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.87	0.93	< 0.005	0.03	—	0.03	0.03	—	0.03	—	151	151	0.01	< 0.005	—	151
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.48	1.58	24.9	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,652	4,652	0.19	0.16	18.4	4,722
Vendor	0.08	3.24	1.59	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,757	2,757	0.11	0.38	7.47	2,880
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.46	1.87	21.0	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,409	4,409	0.20	0.16	0.48	4,463

Vendor	0.08	3.37	1.63	0.02	0.04	0.73	0.77	0.04	0.20	0.24	—	2,758	2,758	0.11	0.38	0.19	2,874
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.94	11.2	0.00	0.00	2.15	2.15	0.00	0.50	0.50	—	2,259	2,259	0.10	0.08	4.00	2,290
Vendor	0.04	1.72	0.81	0.01	0.02	0.37	0.38	0.02	0.10	0.12	—	1,392	1,392	0.06	0.19	1.62	1,452
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.17	2.04	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	374	374	0.02	0.01	0.66	379
Vendor	0.01	0.31	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	230	230	0.01	0.03	0.27	240
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

3.11. 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.35	1.89	< 0.005	0.06	—	0.06	0.05	—	0.05	—	288	288	0.01	< 0.005	—	289
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.7	47.7	< 0.005	< 0.005	—	47.8
Paving	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.87	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	173	173	0.01	0.01	0.63	175
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.74	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	164	164	0.01	0.01	0.02	166
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.3	48.3	< 0.005	< 0.005	0.08	48.9
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

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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.99	7.99	< 0.005	< 0.005	0.01	8.10
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
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

3.12. Paving (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.35	1.89	< 0.005	0.06	—	0.06	0.05	—	0.05	—	288	288	0.01	< 0.005	—	289
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.7	47.7	< 0.005	< 0.005	—	47.8
Paving	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.87	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	173	173	0.01	0.01	0.63	175
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.74	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	164	164	0.01	0.01	0.02	166
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.3	48.3	< 0.005	< 0.005	0.08	48.9
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.99	7.99	< 0.005	< 0.005	0.01	8.10
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
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

3.13. Architectural Coating (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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	11.5	14.0	0.02	0.36	—	0.36	0.33	—	0.33	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	11.5	14.0	0.02	0.36	—	0.36	0.33	—	0.33	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	4.08	4.95	0.01	0.13	—	0.13	0.12	—	0.12	—	636	636	0.03	0.01	—	638
Architectural Coatings	3.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.75	0.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	106
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.63	9.94	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,861	1,861	0.08	0.06	7.34	1,889
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.75	8.40	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,764	1,764	0.08	0.07	0.19	1,785
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.26	3.13	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	635	635	0.03	0.02	1.12	643
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.19	107
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
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

3.14. Architectural Coating (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	11.5	14.0	0.02	0.36	—	0.36	0.33	—	0.33	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	11.5	14.0	0.02	0.36	—	0.36	0.33	—	0.33	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	4.08	4.95	0.01	0.13	—	0.13	0.12	—	0.12	—	636	636	0.03	0.01	—	638
Architectural Coatings	3.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.75	0.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	106
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.63	9.94	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,861	1,861	0.08	0.06	7.34	1,889
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.75	8.40	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,764	1,764	0.08	0.07	0.19	1,785
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.26	3.13	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	635	635	0.03	0.02	1.12	643
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.19	107
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
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

3.15. 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	11.2	13.9	0.02	0.31	—	0.31	0.29	—	0.29	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	11.2	13.9	0.02	0.31	—	0.31	0.29	—	0.29	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	5.64	6.96	0.01	0.16	—	0.16	0.14	—	0.14	—	901	901	0.04	0.01	—	904
Architectural Coatings	5.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.03	1.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	149	149	0.01	< 0.005	—	150
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.57	9.17	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,822	1,822	0.08	0.06	6.67	1,849
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.63	7.77	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,727	1,727	0.08	0.07	0.17	1,749
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.34	4.10	0.00	0.00	0.86	0.86	0.00	0.20	0.20	—	881	881	0.04	0.03	1.45	893
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.75	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	146	146	0.01	0.01	0.24	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.16. Architectural Coating (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	11.2	13.9	0.02	0.31	—	0.31	0.29	—	0.29	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	11.2	13.9	0.02	0.31	—	0.31	0.29	—	0.29	—	1,793	1,793	0.07	0.01	—	1,799
Architectural Coatings	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	5.64	6.96	0.01	0.16	—	0.16	0.14	—	0.14	—	901	901	0.04	0.01	—	904
Architectural Coatings	5.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.03	1.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	149	149	0.01	< 0.005	—	150
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.57	9.17	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,822	1,822	0.08	0.06	6.67	1,849
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.63	7.77	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,727	1,727	0.08	0.07	0.17	1,749
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
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.34	4.10	0.00	0.00	0.86	0.86	0.00	0.20	0.20	—	881	881	0.04	0.03	1.45	893
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.75	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	146	146	0.01	0.01	0.24	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	3.85	2.88	32.5	0.07	0.05	2.62	2.67	0.05	0.47	0.51	—	7,566	7,566	0.38	0.30	27.8	7,693
Hotel	8.38	5.96	66.8	0.15	0.10	5.28	5.38	0.09	0.94	1.03	—	15,278	15,278	0.79	0.62	56.0	15,540
High Turnover (Sit Down Restauran ^o)	1.43	1.02	11.4	0.03	0.02	0.90	0.92	0.02	0.16	0.18	—	2,607	2,607	0.13	0.11	9.56	2,651
Medical Office Building	1.16	0.83	9.28	0.02	0.01	0.73	0.75	0.01	0.13	0.14	—	2,120	2,120	0.11	0.09	7.78	2,156
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	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	14.8	10.7	120	0.27	0.18	9.53	9.71	0.17	1.70	1.86	—	27,571	27,571	1.41	1.12	101	28,041
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	3.80	3.15	30.0	0.07	0.05	2.62	2.67	0.05	0.47	0.51	—	7,249	7,249	0.39	0.32	0.72	7,354
Hotel	8.25	6.53	62.1	0.14	0.10	5.28	5.38	0.09	0.94	1.03	—	14,639	14,639	0.83	0.66	1.45	14,857

High Turnover (Sit Down Restaurant)	1.41	1.11	10.6	0.02	0.02	0.90	0.92	0.02	0.16	0.18	—	2,498	2,498	0.14	0.11	0.25	2,535
Medical Office Building	1.15	0.91	8.61	0.02	0.01	0.73	0.75	0.01	0.13	0.14	—	2,031	2,031	0.12	0.09	0.20	2,061
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	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	14.6	11.7	111	0.26	0.18	9.53	9.71	0.17	1.70	1.86	—	26,417	26,417	1.48	1.18	2.62	26,808
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	0.66	0.56	5.38	0.01	0.01	0.46	0.47	0.01	0.08	0.09	—	1,163	1,163	0.06	0.05	1.91	1,181
Hotel	1.43	1.15	11.1	0.03	0.02	0.92	0.94	0.02	0.16	0.18	—	2,344	2,344	0.13	0.10	3.83	2,382
High Turnover (Sit Down Restaurant)	0.19	0.12	1.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.02	—	210	210	0.02	0.01	0.34	214
Medical Office Building	0.16	0.13	1.22	< 0.005	< 0.005	0.10	0.10	< 0.005	0.02	0.02	—	257	257	0.01	0.01	0.42	261
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	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	2.44	1.95	18.8	0.04	0.03	1.56	1.59	0.03	0.28	0.31	—	3,974	3,974	0.22	0.18	6.49	4,039

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	1.92	1.43	16.2	0.04	0.02	1.30	1.33	0.02	0.23	0.25	—	3,764	3,764	0.19	0.15	13.8	3,828
Hotel	6.01	4.28	48.0	0.11	0.07	3.79	3.86	0.07	0.67	0.74	—	10,964	10,964	0.57	0.45	40.2	11,152
High Turnover (Sit Down Restaurant)	1.03	0.73	8.18	0.02	0.01	0.65	0.66	0.01	0.12	0.13	—	1,871	1,871	0.10	0.08	6.86	1,903
Medical Office Building	0.83	0.59	6.66	0.01	0.01	0.53	0.54	0.01	0.09	0.10	—	1,521	1,521	0.08	0.06	5.58	1,547
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	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	9.79	7.03	79.0	0.18	0.12	6.26	6.38	0.11	1.12	1.22	—	18,120	18,120	0.93	0.74	66.5	18,429
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	1.89	1.57	14.9	0.04	0.02	1.30	1.33	0.02	0.23	0.25	—	3,606	3,606	0.20	0.16	0.36	3,659
Hotel	5.92	4.68	44.5	0.10	0.07	3.79	3.86	0.07	0.67	0.74	—	10,505	10,505	0.60	0.47	1.04	10,662
High Turnover (Sit Down Restaurant)	1.01	0.80	7.60	0.02	0.01	0.65	0.66	0.01	0.12	0.13	—	1,792	1,792	0.10	0.08	0.18	1,819
Medical Office Building	0.82	0.65	6.18	0.01	0.01	0.53	0.54	0.01	0.09	0.10	—	1,458	1,458	0.08	0.07	0.14	1,479

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	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	9.64	7.70	73.3	0.17	0.12	6.26	6.38	0.11	1.12	1.22	—	17,362	17,362	0.98	0.78	1.72	17,619
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	0.33	0.28	2.68	0.01	< 0.005	0.23	0.23	< 0.005	0.04	0.04	—	579	579	0.03	0.03	0.95	588
Hotel	1.03	0.82	7.96	0.02	0.01	0.66	0.67	0.01	0.12	0.13	—	1,682	1,682	0.09	0.07	2.75	1,710
High Turnover (Sit Down Restaurant)	0.14	0.09	0.83	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	151	151	0.01	0.01	0.24	153
Medical Office Building	0.11	0.09	0.87	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	184	184	0.01	0.01	0.30	187
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	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	1.61	1.28	12.3	0.03	0.02	1.02	1.04	0.02	0.18	0.20	—	2,596	2,596	0.15	0.12	4.24	2,638

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	1,553	1,553	0.11	0.02	—	1,560

Hotel	—	—	—	—	—	—	—	—	—	—	—	4,375	4,375	0.31	0.04	—	4,396
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	192	192	0.01	< 0.005	—	193
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	301	301	0.02	< 0.005	—	303
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,027	1,027	0.07	0.01	—	1,032
Total	—	—	—	—	—	—	—	—	—	—	—	7,449	7,449	0.53	0.07	—	7,484
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	1,553	1,553	0.11	0.02	—	1,560
Hotel	—	—	—	—	—	—	—	—	—	—	—	4,375	4,375	0.31	0.04	—	4,396
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	192	192	0.01	< 0.005	—	193
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	301	301	0.02	< 0.005	—	303
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,027	1,027	0.07	0.01	—	1,032
Total	—	—	—	—	—	—	—	—	—	—	—	7,449	7,449	0.53	0.07	—	7,484
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	257	257	0.02	< 0.005	—	258

Hotel	—	—	—	—	—	—	—	—	—	—	—	724	724	0.05	0.01	—	728
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	31.8	31.8	< 0.005	< 0.005	—	32.0
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	49.9	49.9	< 0.005	< 0.005	—	50.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	170	170	0.01	< 0.005	—	171
Total	—	—	—	—	—	—	—	—	—	—	—	1,233	1,233	0.09	0.01	—	1,239

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	1,556	1,556	0.11	0.02	—	1,564
Hotel	—	—	—	—	—	—	—	—	—	—	—	4,375	4,375	0.31	0.04	—	4,396
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	192	192	0.01	< 0.005	—	193
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	301	301	0.02	< 0.005	—	303
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,027	1,027	0.07	0.01	—	1,032

Total	—	—	—	—	—	—	—	—	—	—	—	7,453	7,453	0.53	0.07	—	7,488
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	—	1,556	1,556	0.11	0.02	—	1,564
Hotel	—	—	—	—	—	—	—	—	—	—	—	4,375	4,375	0.31	0.04	—	4,396
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	192	192	0.01	< 0.005	—	193
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	301	301	0.02	< 0.005	—	303
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,027	1,027	0.07	0.01	—	1,032
Total	—	—	—	—	—	—	—	—	—	—	—	7,453	7,453	0.53	0.07	—	7,488
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	—	258	258	0.02	< 0.005	—	259
Hotel	—	—	—	—	—	—	—	—	—	—	—	724	724	0.05	0.01	—	728
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	31.8	31.8	< 0.005	< 0.005	—	32.0
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	49.9	49.9	< 0.005	< 0.005	—	50.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	170	170	0.01	< 0.005	—	171

Total	—	—	—	—	—	—	—	—	—	—	—	1,234	1,234	0.09	0.01	—	1,240
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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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	0.04	0.63	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	795	795	0.07	< 0.005	—	797
Hotel	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,536	1,536	0.14	< 0.005	—	1,541
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.7	94.7	0.01	< 0.005	—	95.0
Medical Office Building	< 0.005	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.4	64.4	0.01	< 0.005	—	64.6
Enclosed Parking with Elevator	0.00	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	0.11	2.05	1.46	0.01	0.16	—	0.16	0.16	—	0.16	—	2,491	2,491	0.22	< 0.005	—	2,498
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	0.04	0.63	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	795	795	0.07	< 0.005	—	797
Hotel	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,536	1,536	0.14	< 0.005	—	1,541

High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.7	94.7	0.01	< 0.005	—	95.0
Medical Office Building	< 0.005	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.4	64.4	0.01	< 0.005	—	64.6
Enclosed Parking with Elevator	0.00	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	0.11	2.05	1.46	0.01	0.16	—	0.16	0.16	—	0.16	—	2,491	2,491	0.22	< 0.005	—	2,498
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	—	132
Hotel	0.01	0.23	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	254	254	0.02	< 0.005	—	255
High Turnover (Sit Down Restaurant)	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Medical Office Building	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Enclosed Parking with Elevator	0.00	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	0.02	0.37	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	412	412	0.04	< 0.005	—	414

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,536	1,536	0.14	< 0.005	—	1,541
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.7	94.7	0.01	< 0.005	—	95.0
Medical Office Building	< 0.005	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.4	64.4	0.01	< 0.005	—	64.6
Enclosed Parking with Elevator	0.00	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	0.08	1.42	1.19	0.01	0.11	—	0.11	0.11	—	0.11	—	1,695	1,695	0.15	< 0.005	—	1,700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,536	1,536	0.14	< 0.005	—	1,541
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.7	94.7	0.01	< 0.005	—	95.0
Medical Office Building	< 0.005	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.4	64.4	0.01	< 0.005	—	64.6

Enclosed Parking with Elevator	0.00	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	0.08	1.42	1.19	0.01	0.11	—	0.11	0.11	—	0.11	—	1,695	1,695	0.15	< 0.005	—	1,700
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.01	0.23	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	254	254	0.02	< 0.005	—	255
High Turnover (Sit Down Restaurant)	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Medical Office Building	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Enclosed Parking with Elevator	0.00	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	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	281

4.3. Area Emissions by Source

4.3.2. 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectu Coatings	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	3.83	0.27	29.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	102	102	< 0.005	< 0.005	—	102
Total	14.5	0.27	29.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	102	102	< 0.005	< 0.005	—	102
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consume r Products	9.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consume r Products	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	0.48	0.03	3.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	2.42	0.03	3.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.3.1. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.83	0.27	29.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	102	102	< 0.005	< 0.005	—	102
Total	14.5	0.27	29.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	102	102	< 0.005	< 0.005	—	102
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.48	0.03	3.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	2.42	0.03	3.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.4. Water Emissions by Land Use

4.4.2. 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	17.9	123	140	1.84	0.04	—	200
Hotel	—	—	—	—	—	—	—	—	—	—	14.6	98.0	113	1.50	0.04	—	161
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.74	11.7	13.5	0.18	< 0.005	—	19.3
Medical Office Building	—	—	—	—	—	—	—	—	—	—	2.40	16.2	18.6	0.25	0.01	—	26.5
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	36.6	248	285	3.77	0.09	—	407
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	17.9	123	140	1.84	0.04	—	200
Hotel	—	—	—	—	—	—	—	—	—	—	14.6	98.0	113	1.50	0.04	—	161

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.74	11.7	13.5	0.18	< 0.005	—	19.3
Medical Office Building	—	—	—	—	—	—	—	—	—	—	2.40	16.2	18.6	0.25	0.01	—	26.5
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	36.6	248	285	3.77	0.09	—	407
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	2.96	20.3	23.2	0.30	0.01	—	33.1
Hotel	—	—	—	—	—	—	—	—	—	—	2.41	16.2	18.6	0.25	0.01	—	26.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.29	1.94	2.23	0.03	< 0.005	—	3.19
Medical Office Building	—	—	—	—	—	—	—	—	—	—	0.40	2.67	3.07	0.04	< 0.005	—	4.40
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	6.06	41.1	47.2	0.62	0.02	—	67.3

4.4.1. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	14.3	98.0	112	1.47	0.04	—	160
Hotel	—	—	—	—	—	—	—	—	—	—	11.7	78.4	90.1	1.20	0.03	—	129
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.40	9.38	10.8	0.14	< 0.005	—	15.4
Medical Office Building	—	—	—	—	—	—	—	—	—	—	1.92	12.9	14.8	0.20	< 0.005	—	21.2
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	29.3	199	228	3.02	0.07	—	325
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	14.3	98.0	112	1.47	0.04	—	160
Hotel	—	—	—	—	—	—	—	—	—	—	11.7	78.4	90.1	1.20	0.03	—	129
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.40	9.38	10.8	0.14	< 0.005	—	15.4
Medical Office Building	—	—	—	—	—	—	—	—	—	—	1.92	12.9	14.8	0.20	< 0.005	—	21.2

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	29.3	199	228	3.02	0.07	—	325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	2.37	16.2	18.6	0.24	0.01	—	26.4
Hotel	—	—	—	—	—	—	—	—	—	—	1.93	13.0	14.9	0.20	< 0.005	—	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.23	1.55	1.78	0.02	< 0.005	—	2.55
Medical Office Building	—	—	—	—	—	—	—	—	—	—	0.32	2.14	2.46	0.03	< 0.005	—	3.52
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	4.85	32.9	37.7	0.50	0.01	—	53.8

4.5. Waste Emissions by Land Use

4.5.2. 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.96	0.00	—	349

Hotel	—	—	—	—	—	—	—	—	—	—	88.5	0.00	88.5	8.85	0.00	—	310
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	19.2	0.00	19.2	1.92	0.00	—	67.3
Medical Office Building	—	—	—	—	—	—	—	—	—	—	58.2	0.00	58.2	5.82	0.00	—	204
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	266	0.00	266	26.5	0.00	—	929
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.96	0.00	—	349
Hotel	—	—	—	—	—	—	—	—	—	—	88.5	0.00	88.5	8.85	0.00	—	310
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	19.2	0.00	19.2	1.92	0.00	—	67.3
Medical Office Building	—	—	—	—	—	—	—	—	—	—	58.2	0.00	58.2	5.82	0.00	—	204
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	266	0.00	266	26.5	0.00	—	929
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7

Hotel	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.46	0.00	—	51.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.19	0.00	3.19	0.32	0.00	—	11.1
Medical Office Building	—	—	—	—	—	—	—	—	—	—	9.64	0.00	9.64	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	44.0	0.00	44.0	4.39	0.00	—	154

4.5.1. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	29.9	0.00	29.9	2.99	0.00	—	105
Hotel	—	—	—	—	—	—	—	—	—	—	26.6	0.00	26.6	2.65	0.00	—	92.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.77	0.00	5.77	0.58	0.00	—	20.2
Medical Office Building	—	—	—	—	—	—	—	—	—	—	17.5	0.00	17.5	1.75	0.00	—	61.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	79.7	0.00	79.7	7.96	0.00	—	279
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	29.9	0.00	29.9	2.99	0.00	—	105
Hotel	—	—	—	—	—	—	—	—	—	—	26.6	0.00	26.6	2.65	0.00	—	92.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.77	0.00	5.77	0.58	0.00	—	20.2
Medical Office Building	—	—	—	—	—	—	—	—	—	—	17.5	0.00	17.5	1.75	0.00	—	61.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	79.7	0.00	79.7	7.96	0.00	—	279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	4.95	0.00	4.95	0.49	0.00	—	17.3
Hotel	—	—	—	—	—	—	—	—	—	—	4.40	0.00	4.40	0.44	0.00	—	15.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.96	0.00	0.96	0.10	0.00	—	3.34
Medical Office Building	—	—	—	—	—	—	—	—	—	—	2.89	0.00	2.89	0.29	0.00	—	10.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	13.2	0.00	13.2	1.32	0.00	—	46.2
-------	---	---	---	---	---	---	---	---	---	---	------	------	------	------	------	---	------

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.88	4.88
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.88	4.88

Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.2	51.2
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.81	0.81
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.88	4.88

Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.88	4.88
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.2	51.2
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.81	0.81
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.02	0.09	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.14	9.14	< 0.005	< 0.005	—	9.17
Total	0.02	0.09	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.14	9.14	< 0.005	< 0.005	—	9.17

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	—	840	840	0.03	0.01	—	842
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.02	0.09	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.14	9.14	< 0.005	< 0.005	—	9.17
Total	0.02	0.09	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.14	9.14	< 0.005	< 0.005	—	9.17

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	4/4/2023	5/3/2023	6.00	26.0	—
Grading	Grading	5/4/2023	6/2/2023	6.00	26.0	—
Building Foundations	Building Construction	6/3/2023	8/3/2023	6.00	53.0	—
Building Construction	Building Construction	8/4/2023	8/2/2024	6.00	313	—
Paving and Landscaping	Paving	8/3/2025	12/4/2025	6.00	106	—

Architectural Coating	Architectural Coating	8/3/2024	8/2/2025	6.00	313	—
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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	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Foundations	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Foundations	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Foundations	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Foundations	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Foundations	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Architectural Coating	Air Compressors	Diesel	Average	5.00	6.00	37.0	0.48
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving and Landscaping	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56

Paving and Landscaping	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving and Landscaping	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving and Landscaping	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving and Landscaping	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Architectural Coating	Welders	Diesel	Average	4.00	8.00	46.0	0.45
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

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	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Foundations	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Foundations	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Foundations	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Foundations	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Foundations	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Architectural Coating	Air Compressors	Diesel	Average	5.00	6.00	37.0	0.48

Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving and Landscaping	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving and Landscaping	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving and Landscaping	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving and Landscaping	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving and Landscaping	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Architectural Coating	Welders	Diesel	Average	4.00	8.00	46.0	0.45
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

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	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	39.6	29.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	12.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	154	29.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Foundations	—	—	—	—
Building Foundations	Worker	329	18.5	LDA,LDT1,LDT2
Building Foundations	Vendor	85.4	10.2	HHDT,MHDT
Building Foundations	Hauling	176	4.00	HHDT
Building Foundations	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	132	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
Building Construction	—	—	—	—
Building Construction	Worker	329	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	85.4	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving and Landscaping	—	—	—	—
Paving and Landscaping	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving and Landscaping	Vendor	—	10.2	HHDT,MHDT
Paving and Landscaping	Hauling	0.00	20.0	HHDT
Paving and Landscaping	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
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Demolition	—	—	—	—
Demolition	Worker	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	39.6	29.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	12.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	154	29.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Foundations	—	—	—	—
Building Foundations	Worker	329	18.5	LDA,LDT1,LDT2
Building Foundations	Vendor	85.4	10.2	HHDT,MHDT
Building Foundations	Hauling	176	4.00	HHDT
Building Foundations	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	132	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
Building Construction	—	—	—	—
Building Construction	Worker	329	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	85.4	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving and Landscaping	—	—	—	—
Paving and Landscaping	Worker	12.5	18.5	LDA,LDT1,LDT2

Paving and Landscaping	Vendor	—	10.2	HHDT,MHDT
Paving and Landscaping	Hauling	0.00	20.0	HHDT
Paving and Landscaping	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	489,058	163,019	316,680	105,560	—

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 (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	89,510	—
Grading	—	28,000	26.0	0.00	—
Paving and Landscaping	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments High Rise	—	0%
Hotel	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Medical Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	690	0.05	0.01
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments High Rise	1,112	1,133	897	395,895	9,246	9,413	7,459	3,290,433
Hotel	2,508	2,457	1,785	875,061	18,956	18,571	13,492	6,614,020
High Turnover (Sit Down Restaurant)	337	367	428	129,201	1,022	2,775	3,234	579,811
Medical Office Building	348	85.7	14.2	95,938	2,630	648	107	725,130
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments High Rise	553	563	447	196,967	4,600	4,683	3,711	1,637,071
Hotel	1,800	1,763	1,281	627,963	13,603	13,327	9,682	4,746,361
High Turnover (Sit Down Restaurant)	242	264	307	92,717	733	1,992	2,321	416,085
Medical Office Building	250	61.5	10.2	68,847	1,888	465	77.0	520,369
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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)
489057.75	163,019	316,680	105,560	—

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)
Apartments High Rise	820,873	690	0.0489	0.0069	2,481,340
Hotel	2,313,213	690	0.0489	0.0069	4,793,708
High Turnover (Sit Down Restaurant)	101,619	690	0.0489	0.0069	295,556
Medical Office Building	159,287	690	0.0489	0.0069	200,919
Enclosed Parking with Elevator	543,165	690	0.0489	0.0069	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)
Apartments High Rise	822,802	690	0.0489	0.0069	0.00
Hotel	2,313,213	690	0.0489	0.0069	4,793,708
High Turnover (Sit Down Restaurant)	101,619	690	0.0489	0.0069	295,556
Medical Office Building	159,287	690	0.0489	0.0069	200,919
Enclosed Parking with Elevator	543,165	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments High Rise	9,318,450	251,289
Hotel	7,610,031	0.00
High Turnover (Sit Down Restaurant)	910,601	0.00
Medical Office Building	1,254,805	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments High Rise	7,454,760	201,031
Hotel	6,088,025	0.00
High Turnover (Sit Down Restaurant)	728,481	0.00
Medical Office Building	1,003,844	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments High Rise	62.5	0.00
Hotel	164	0.00
High Turnover (Sit Down Restaurant)	35.7	0.00
Medical Office Building	108	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments High Rise	18.7	0.00
Hotel	49.3	0.00
High Turnover (Sit Down Restaurant)	10.7	0.00
Medical Office Building	32.4	0.00
Enclosed Parking with Elevator	0.00	0.00

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
Apartments High 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 High Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Served
Apartments High 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 High Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
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

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	2.00	0.50	12.0	1,000	0.73

8. User Changes to Default Data

Screen	Justification
Land Use	Project data per June 2018 Site Plans
Construction: Construction Phases	Based on approximate 32-month construction timeline.
Construction: Off-Road Equipment	Equipment use on worst-case day.
Construction: Trips and VMT	Assumes 14cy haul truck capacity and avg. trip length of 29 miles to disposal site. Approx. 46,552 cy concrete pour estimated = approx. 4,652 loads (9,304 trips) with 10cy capacity during buildings foundations construction phase. Trip length for cement deliveries is est. to be 4 miles to nearest ready mix facility.
Operations: Hearths	No woodstoves or fireplaces proposed.