11.9 Air Quality/Greenhouse Gas Emissions/Energy Data

This document is designed for double-sided printing to conserve natural resources.

Tremont Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Tremont
Construction Start Date	1/24/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.90
Precipitation (days)	20.6
Location	235 S Tremont St, Oceanside, CA 92054, USA
County	San Diego
City	Oceanside
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6231
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.22

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

Hotel	170	Room	5.67	160,656	0.00	—	—	—
Unenclosed Parking with Elevator	1,868	Space	0.50	747,200	0.00	—	—	—
General Office Building	64.1	1000sqft	1.47	64,085	0.00	—	—	—
Strip Mall	29.2	1000sqft	0.67	29,196	0.00	—	—	—
Apartments Mid Rise	547	Dwelling Unit	1.93	588,322	73,520	—	1,526	—
Convenience Market (24 hour)	7.33	1000sqft	0.17	7,330	0.00	—	—	—
User Defined Linear	0.27	Mile	1.16	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	23.5	121	109	0.50	2.70	32.9	35.6	2.22	9.84	12.1	—	79,362	79,362	3.79	10.3	159	82,685
Mit.	13.2	23.5	121	109	0.50	2.70	25.9	28.6	2.22	7.11	9.32	—	79,362	79,362	3.79	10.3	159	82,685
% Reduced	—	—	—	—	—	—	21%	20%	—	28%	23%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.4	24.4	136	81.8	0.52	3.23	36.4	39.6	2.67	9.89	12.6	—	75,437	75,437	3.66	10.5	3.55	78,668
Mit.	11.4	24.4	136	81.8	0.52	3.23	29.4	32.6	2.67	7.16	9.82	—	75,437	75,437	3.66	10.5	3.55	78,668
% Reduced	—	—	—	—	—	—	19%	18%	—	28%	22%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.61	9.61	24.8	35.3	0.09	0.58	7.87	8.46	0.50	2.04	2.54	—	15,597	15,597	0.74	1.74	14.6	16,149
Mit.	3.61	9.61	24.8	35.3	0.09	0.58	7.03	7.62	0.50	1.71	2.21	—	15,597	15,597	0.74	1.74	14.6	16,149
% Reduced	—	—	—	—	—	—	11%	10%	—	16%	13%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.66	1.75	4.52	6.44	0.02	0.11	1.44	1.54	0.09	0.37	0.46	—	2,582	2,582	0.12	0.29	2.41	2,674
Mit.	0.66	1.75	4.52	6.44	0.02	0.11	1.28	1.39	0.09	0.31	0.40	—	2,582	2,582	0.12	0.29	2.41	2,674
% Reduced	—	—	—	—	—	—	11%	10%	—	16%	13%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	13.2	8.75	121	109	0.50	2.70	32.9	35.6	2.22	9.84	12.1	—	79,362	79,362	3.79	10.3	159	82,685
2027	5.50	23.5	19.4	57.0	0.06	0.43	9.63	10.1	0.40	2.32	2.72	—	16,763	16,763	0.71	1.09	40.7	17,148
2028	5.34	23.4	18.5	54.7	0.06	0.39	9.63	10.0	0.37	2.32	2.68	—	16,471	16,471	0.45	1.09	36.7	16,845

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	11.4	7.00	136	81.8	0.52	3.23	36.4	39.6	2.67	9.89	12.6	—	75,437	75,437	3.66	10.5	3.55	78,668
2027	6.36	24.4	27.2	62.7	0.08	0.73	9.75	10.5	0.68	2.35	3.02	—	17,915	17,915	0.83	1.13	1.07	18,275
2028	6.17	24.3	25.8	60.5	0.08	0.65	9.75	10.4	0.60	2.35	2.95	—	17,630	17,630	0.54	1.11	0.96	17,976
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.47	2.62	24.8	30.4	0.09	0.58	7.87	8.46	0.50	2.04	2.54	—	15,597	15,597	0.74	1.74	14.6	16,149
2027	3.61	8.75	14.2	35.3	0.04	0.32	6.24	6.55	0.30	1.50	1.80	—	11,131	11,131	0.50	0.76	11.7	11,382
2028	2.08	9.61	7.51	19.9	0.02	0.15	3.74	3.89	0.14	0.90	1.04	—	6,310	6,310	0.19	0.43	6.22	6,448
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.63	0.48	4.52	5.54	0.02	0.11	1.44	1.54	0.09	0.37	0.46	—	2,582	2,582	0.12	0.29	2.41	2,674
2027	0.66	1.60	2.60	6.44	0.01	0.06	1.14	1.20	0.05	0.27	0.33	—	1,843	1,843	0.08	0.13	1.94	1,884
2028	0.38	1.75	1.37	3.64	< 0.005	0.03	0.68	0.71	0.03	0.16	0.19	—	1,045	1,045	0.03	0.07	1.03	1,068

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	13.2	8.75	121	109	0.50	2.70	25.9	28.6	2.22	7.11	9.32	—	79,362	79,362	3.79	10.3	159	82,685
2027	5.50	23.5	19.4	57.0	0.06	0.43	9.63	10.1	0.40	2.32	2.72	—	16,763	16,763	0.71	1.09	40.7	17,148
2028	5.34	23.4	18.5	54.7	0.06	0.39	9.63	10.0	0.37	2.32	2.68	—	16,471	16,471	0.45	1.09	36.7	16,845
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	11.4	7.00	136	81.8	0.52	3.23	29.4	32.6	2.67	7.16	9.82	—	75,437	75,437	3.66	10.5	3.55	78,668
2027	6.36	24.4	27.2	62.7	0.08	0.73	9.75	10.5	0.68	2.35	3.02	—	17,915	17,915	0.83	1.13	1.07	18,275

2028	6.17	24.3	25.8	60.5	0.08	0.65	9.75	10.4	0.60	2.35	2.95	—	17,630	17,630	0.54	1.11	0.96	17,976
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.47	2.62	24.8	30.4	0.09	0.58	7.03	7.62	0.50	1.71	2.21	—	15,597	15,597	0.74	1.74	14.6	16,149
2027	3.61	8.75	14.2	35.3	0.04	0.32	6.24	6.55	0.30	1.50	1.80	—	11,131	11,131	0.50	0.76	11.7	11,382
2028	2.08	9.61	7.51	19.9	0.02	0.15	3.74	3.89	0.14	0.90	1.04	—	6,310	6,310	0.19	0.43	6.22	6,448
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.63	0.48	4.52	5.54	0.02	0.11	1.28	1.39	0.09	0.31	0.40	—	2,582	2,582	0.12	0.29	2.41	2,674
2027	0.66	1.60	2.60	6.44	0.01	0.06	1.14	1.20	0.05	0.27	0.33	—	1,843	1,843	0.08	0.13	1.94	1,884
2028	0.38	1.75	1.37	3.64	< 0.005	0.03	0.68	0.71	0.03	0.16	0.19	—	1,045	1,045	0.03	0.07	1.03	1,068

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	66.5	68.4	31.7	390	0.94	19.0	40.9	59.9	18.3	10.4	28.7	3,373	74,148	77,521	57.5	2.03	398	79,964
Mit.	66.5	68.4	31.7	390	0.94	19.0	40.9	59.9	18.3	10.4	28.7	3,209	74,148	77,357	41.1	2.03	398	79,389
% Reduced	—	—	—	—	—	—	—	—	—	—	—	5%	—	< 0.5%	29%	—	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	55.3	58.0	32.8	304	0.92	18.9	40.9	59.8	18.2	10.4	28.6	3,373	71,799	75,172	57.6	2.14	259	77,509
Mit.	55.3	58.0	32.8	304	0.92	18.9	40.9	59.8	18.2	10.4	28.6	3,209	71,799	75,008	41.2	2.14	259	76,934
% Reduced	—	—	—	—	—	—	—	—	—	—	—	5%	—	< 0.5%	29%	—	—	1%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.2	51.7	25.0	242	0.57	4.77	40.4	45.1	4.59	10.2	14.8	1,069	64,212	65,280	46.7	2.10	317	67,391
Mit.	38.2	51.7	25.0	242	0.57	4.77	40.4	45.1	4.59	10.2	14.8	904	64,212	65,116	30.2	2.10	317	66,816
% Reduced	—	—	—	—	—	—	—	—	—	—	—	15%	—	< 0.5%	35%	—	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.98	9.43	4.55	44.2	0.10	0.87	7.37	8.24	0.84	1.87	2.71	177	10,631	10,808	7.73	0.35	52.5	11,157
Mit.	6.98	9.43	4.55	44.2	0.10	0.87	7.37	8.24	0.84	1.87	2.71	150	10,631	10,781	5.01	0.35	52.5	11,062
% Reduced	—	—	—	—	—	—	—	—	—	—	—	15%	—	< 0.5%	35%	—	—	1%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.9	24.7	17.4	186	0.46	0.34	40.9	41.2	0.32	10.4	10.7	—	46,908	46,908	2.09	1.75	143	47,623
Area	39.1	43.5	10.8	202	0.46	18.4	—	18.4	17.7	—	17.7	2,973	10,623	13,596	14.1	0.02	—	13,955
Energy	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	16,192	16,192	1.05	0.09	—	16,245
Water	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Waste	—	—	—	—	—	—	—	—	—	—	—	329	0.00	329	32.8	0.00	—	1,150
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Total	66.5	68.4	31.7	390	0.94	19.0	40.9	59.9	18.3	10.4	28.7	3,373	74,148	77,521	57.5	2.03	398	79,964
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	26.5	24.2	19.1	174	0.44	0.34	40.9	41.2	0.32	10.4	10.7	—	44,822	44,822	2.22	1.85	3.70	45,433
Area	28.4	33.6	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Energy	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	16,192	16,192	1.05	0.09	—	16,245
Water	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Waste	—	—	—	—	—	—	—	—	—	—	—	329	0.00	329	32.8	0.00	—	1,150
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Total	55.3	58.0	32.8	304	0.92	18.9	40.9	59.8	18.2	10.4	28.6	3,373	71,799	75,172	57.6	2.14	259	77,509
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.2	23.9	18.8	174	0.44	0.34	40.4	40.7	0.32	10.2	10.6	—	45,138	45,138	2.18	1.83	61.6	45,799
Area	11.7	27.6	2.61	65.5	0.10	4.15	—	4.15	3.99	—	3.99	668	2,457	3,125	3.17	0.01	—	3,206
Energy	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	16,192	16,192	1.05	0.09	—	16,245
Water	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Waste	—	—	—	—	—	—	—	—	—	—	—	329	0.00	329	32.8	0.00	—	1,150
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Total	38.2	51.7	25.0	242	0.57	4.77	40.4	45.1	4.59	10.2	14.8	1,069	64,212	65,280	46.7	2.10	317	67,391
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.78	4.36	3.44	31.8	0.08	0.06	7.37	7.43	0.06	1.87	1.93	—	7,473	7,473	0.36	0.30	10.2	7,583
Area	2.13	5.03	0.48	11.9	0.02	0.76	—	0.76	0.73	—	0.73	111	407	517	0.53	< 0.005	—	531
Energy	0.07	0.04	0.64	0.46	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,681	2,681	0.17	0.01	—	2,690
Water	—	—	—	—	—	—	—	—	—	—	—	11.9	70.3	82.3	1.23	0.03	—	122
Waste	—	—	—	—	—	—	—	—	—	—	—	54.4	0.00	54.4	5.44	0.00	—	190
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.3	42.3
Total	6.98	9.43	4.55	44.2	0.10	0.87	7.37	8.24	0.84	1.87	2.71	177	10,631	10,808	7.73	0.35	52.5	11,157

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.9	24.7	17.4	186	0.46	0.34	40.9	41.2	0.32	10.4	10.7	—	46,908	46,908	2.09	1.75	143	47,623
Area	39.1	43.5	10.8	202	0.46	18.4	—	18.4	17.7	—	17.7	2,973	10,623	13,596	14.1	0.02	—	13,955
Energy	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	16,192	16,192	1.05	0.09	—	16,245
Water	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	575
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Total	66.5	68.4	31.7	390	0.94	19.0	40.9	59.9	18.3	10.4	28.7	3,209	74,148	77,357	41.1	2.03	398	79,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.5	24.2	19.1	174	0.44	0.34	40.9	41.2	0.32	10.4	10.7	—	44,822	44,822	2.22	1.85	3.70	45,433
Area	28.4	33.6	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Energy	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	16,192	16,192	1.05	0.09	—	16,245
Water	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	575
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Total	55.3	58.0	32.8	304	0.92	18.9	40.9	59.8	18.2	10.4	28.6	3,209	71,799	75,008	41.2	2.14	259	76,934
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.2	23.9	18.8	174	0.44	0.34	40.4	40.7	0.32	10.2	10.6	—	45,138	45,138	2.18	1.83	61.6	45,799
Area	11.7	27.6	2.61	65.5	0.10	4.15	—	4.15	3.99	—	3.99	668	2,457	3,125	3.17	0.01	—	3,206
Energy	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	16,192	16,192	1.05	0.09	—	16,245
Water	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	575
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256

Total	38.2	51.7	25.0	242	0.57	4.77	40.4	45.1	4.59	10.2	14.8	904	64,212	65,116	30.2	2.10	317	66,816
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.78	4.36	3.44	31.8	0.08	0.06	7.37	7.43	0.06	1.87	1.93	—	7,473	7,473	0.36	0.30	10.2	7,583
Area	2.13	5.03	0.48	11.9	0.02	0.76	—	0.76	0.73	—	0.73	111	407	517	0.53	< 0.005	—	531
Energy	0.07	0.04	0.64	0.46	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,681	2,681	0.17	0.01	—	2,690
Water	—	—	—	—	—	—	—	—	—	—	—	11.9	70.3	82.3	1.23	0.03	—	122
Waste	—	—	—	—	—	—	—	—	—	—	—	27.2	0.00	27.2	2.72	0.00	—	95.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.3	42.3
Total	6.98	9.43	4.55	44.2	0.10	0.87	7.37	8.24	0.84	1.87	2.71	150	10,631	10,781	5.01	0.35	52.5	11,062

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.29	20.7	19.0	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	9.53	9.53	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.32	0.27	2.43	2.24	< 0.005	0.10	—	0.10	0.09	—	0.09	—	404	404	0.02	< 0.005	—	405
Demolition	—	—	—	—	—	—	1.12	1.12	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	66.8	66.8	< 0.005	< 0.005	—	67.1
Demolition	—	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.57	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	132	132	0.01	0.01	0.01	133
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.57	0.17	10.6	3.95	0.05	0.15	2.08	2.23	0.10	0.57	0.67	—	7,904	7,904	0.39	1.27	0.43	8,293
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
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	0.00
Hauling	0.07	0.02	1.24	0.46	0.01	0.02	0.24	0.26	0.01	0.07	0.08	—	931	931	0.05	0.15	0.84	978
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.23	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	154	154	0.01	0.02	0.14	162

3.2. Demolition (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.29	20.7	19.0	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	9.53	9.53	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.43	2.24	< 0.005	0.10	—	0.10	0.09	—	0.09	—	404	404	0.02	< 0.005	—	405
Demolition	—	—	—	—	—	—	1.12	1.12	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	66.8	66.8	< 0.005	< 0.005	—	67.1
Demolition	—	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.57	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	132	132	0.01	0.01	0.01	133
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.57	0.17	10.6	3.95	0.05	0.15	2.08	2.23	0.10	0.57	0.67	—	7,904	7,904	0.39	1.27	0.43	8,293
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
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	0.00
Hauling	0.07	0.02	1.24	0.46	0.01	0.02	0.24	0.26	0.01	0.07	0.08	—	931	931	0.05	0.15	0.84	978
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.23	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	154	154	0.01	0.02	0.14	162

3.3. Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621

Dust From Material Movemen	—	—	—	—	—	—	9.44	9.44	—	3.69	3.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movemen	—	—	—	—	—	—	9.44	9.44	—	3.69	3.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.28	3.32	0.01	0.14	—	0.14	0.12	—	0.12	—	795	795	0.03	0.01	—	798
Dust From Material Movemen	—	—	—	—	—	—	1.14	1.14	—	0.44	0.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.60	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	132	132	0.01	< 0.005	—	132
Dust From Material Movemen	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.86	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	186	186	0.01	0.01	0.65	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	4.16	1.27	73.3	28.2	0.37	1.07	15.0	16.1	0.71	4.11	4.82	—	56,949	56,949	2.84	9.16	119	59,868
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	176	176	0.01	0.01	0.02	178
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	4.09	1.20	76.1	28.5	0.37	1.07	15.0	16.1	0.71	4.11	4.82	—	56,971	56,971	2.84	9.16	3.09	59,774
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.4	21.4	< 0.005	< 0.005	0.03	21.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.50	0.15	9.13	3.41	0.05	0.13	1.79	1.92	0.09	0.49	0.58	—	6,866	6,866	0.34	1.10	6.22	7,210
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	0.01	3.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.67	0.62	0.01	0.02	0.33	0.35	0.02	0.09	0.11	—	1,137	1,137	0.06	0.18	1.03	1,194

3.4. Grading (2026) - Mitigated

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

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

Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movemen:	—	—	—	—	—	—	2.46	2.46	—	0.96	0.96	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movemen:	—	—	—	—	—	—	2.46	2.46	—	0.96	0.96	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.28	3.32	0.01	0.14	—	0.14	0.12	—	0.12	—	795	795	0.03	0.01	—	798
Dust From Material Movemen:	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.60	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	132	132	0.01	< 0.005	—	132
Dust From Material Movemen:	—	—	—	—	—	—	0.05	0.05	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.86	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	186	186	0.01	0.01	0.65	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	4.16	1.27	73.3	28.2	0.37	1.07	15.0	16.1	0.71	4.11	4.82	—	56,949	56,949	2.84	9.16	119	59,868
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	176	176	0.01	0.01	0.02	178
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	4.09	1.20	76.1	28.5	0.37	1.07	15.0	16.1	0.71	4.11	4.82	—	56,971	56,971	2.84	9.16	3.09	59,774
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.4	21.4	< 0.005	< 0.005	0.03	21.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.50	0.15	9.13	3.41	0.05	0.13	1.79	1.92	0.09	0.49	0.58	—	6,866	6,866	0.34	1.10	6.22	7,210
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	0.01	3.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.67	0.62	0.01	0.02	0.33	0.35	0.02	0.09	0.11	—	1,137	1,137	0.06	0.18	1.03	1,194

3.5. Building Construction (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.28	5.63	0.01	0.16	—	0.16	0.15	—	0.15	—	1,041	1,041	0.04	0.01	—	1,045
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.78	1.03	< 0.005	0.03	—	0.03	0.03	—	0.03	—	172	172	0.01	< 0.005	—	173
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.40	2.92	2.24	34.9	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,504	7,504	0.36	0.27	26.3	7,619
Vendor	0.44	0.19	7.08	3.33	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,497	5,497	0.21	0.79	13.4	5,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.17	2.88	2.52	30.8	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,087	7,087	0.37	0.28	0.68	7,182
Vendor	0.43	0.18	7.37	3.39	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,500	5,500	0.21	0.79	0.35	5,742
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.24	1.09	13.5	0.00	0.00	2.93	2.93	0.00	0.69	0.69	—	3,106	3,106	0.16	0.12	4.92	3,152
Vendor	0.19	0.08	3.18	1.45	0.02	0.03	0.62	0.65	0.03	0.17	0.20	—	2,389	2,389	0.09	0.34	2.53	2,496
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.20	2.46	0.00	0.00	0.53	0.53	0.00	0.13	0.13	—	514	514	0.03	0.02	0.82	522
Vendor	0.03	0.01	0.58	0.26	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	395	395	0.02	0.06	0.42	413
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.28	5.63	0.01	0.16	—	0.16	0.15	—	0.15	—	1,041	1,041	0.04	0.01	—	1,045
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.78	1.03	< 0.005	0.03	—	0.03	0.03	—	0.03	—	172	172	0.01	< 0.005	—	173
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.40	2.92	2.24	34.9	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,504	7,504	0.36	0.27	26.3	7,619
Vendor	0.44	0.19	7.08	3.33	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,497	5,497	0.21	0.79	13.4	5,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.17	2.88	2.52	30.8	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,087	7,087	0.37	0.28	0.68	7,182
Vendor	0.43	0.18	7.37	3.39	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,500	5,500	0.21	0.79	0.35	5,742
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.24	1.09	13.5	0.00	0.00	2.93	2.93	0.00	0.69	0.69	—	3,106	3,106	0.16	0.12	4.92	3,152
Vendor	0.19	0.08	3.18	1.45	0.02	0.03	0.62	0.65	0.03	0.17	0.20	—	2,389	2,389	0.09	0.34	2.53	2,496

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.20	2.46	0.00	0.00	0.53	0.53	0.00	0.13	0.13	—	514	514	0.03	0.02	0.82	522
Vendor	0.03	0.01	0.58	0.26	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	395	395	0.02	0.06	0.42	413
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.11	2.85	1.99	33.1	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,377	7,377	0.34	0.27	23.9	7,489
Vendor	0.40	0.19	6.79	3.20	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,380	5,380	0.20	0.75	12.0	5,622
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.06	2.78	2.49	29.1	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	6,967	6,967	0.37	0.28	0.62	7,062
Vendor	0.38	0.17	7.03	3.26	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,383	5,383	0.21	0.75	0.31	5,614
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.17	1.97	1.76	21.0	0.00	0.00	4.81	4.81	0.00	1.13	1.13	—	5,021	5,021	0.25	0.19	7.38	5,092
Vendor	0.28	0.13	4.99	2.32	0.03	0.05	1.01	1.07	0.05	0.28	0.33	—	3,844	3,844	0.15	0.54	3.71	4,012
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.36	0.32	3.83	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	831	831	0.04	0.03	1.22	843
Vendor	0.05	0.02	0.91	0.42	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	636	636	0.02	0.09	0.61	664
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2027) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.11	2.85	1.99	33.1	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,377	7,377	0.34	0.27	23.9	7,489
Vendor	0.40	0.19	6.79	3.20	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,380	5,380	0.20	0.75	12.0	5,622
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.06	2.78	2.49	29.1	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	6,967	6,967	0.37	0.28	0.62	7,062
Vendor	0.38	0.17	7.03	3.26	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,383	5,383	0.21	0.75	0.31	5,614
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.17	1.97	1.76	21.0	0.00	0.00	4.81	4.81	0.00	1.13	1.13	—	5,021	5,021	0.25	0.19	7.38	5,092
Vendor	0.28	0.13	4.99	2.32	0.03	0.05	1.01	1.07	0.05	0.28	0.33	—	3,844	3,844	0.15	0.54	3.71	4,012
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.36	0.32	3.83	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	831	831	0.04	0.03	1.22	843
Vendor	0.05	0.02	0.91	0.42	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	636	636	0.02	0.09	0.61	664
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.48	5.04	0.01	0.12	—	0.12	0.11	—	0.11	—	934	934	0.04	0.01	—	937
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.02	2.76	1.97	31.3	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,246	7,246	0.12	0.27	21.7	7,350
Vendor	0.40	0.18	6.44	3.07	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,245	5,245	0.20	0.75	10.7	5,485
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.01	2.72	2.26	27.4	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	6,844	6,844	0.14	0.27	0.56	6,927
Vendor	0.38	0.17	6.69	3.16	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,248	5,248	0.20	0.75	0.28	5,479
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.05	0.87	10.8	0.00	0.00	2.62	2.62	0.00	0.61	0.61	—	2,689	2,689	0.06	0.10	3.64	2,725
Vendor	0.15	0.07	2.59	1.21	0.01	0.03	0.55	0.58	0.03	0.15	0.18	—	2,043	2,043	0.08	0.29	1.80	2,134

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.16	1.97	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	445	445	0.01	0.02	0.60	451
Vendor	0.03	0.01	0.47	0.22	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	338	338	0.01	0.05	0.30	353
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.48	5.04	0.01	0.12	—	0.12	0.11	—	0.11	—	934	934	0.04	0.01	—	937
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.07	0.63	0.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.02	2.76	1.97	31.3	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	7,246	7,246	0.12	0.27	21.7	7,350
Vendor	0.40	0.18	6.44	3.07	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,245	5,245	0.20	0.75	10.7	5,485
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.01	2.72	2.26	27.4	0.00	0.00	6.83	6.83	0.00	1.60	1.60	—	6,844	6,844	0.14	0.27	0.56	6,927
Vendor	0.38	0.17	6.69	3.16	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,248	5,248	0.20	0.75	0.28	5,479
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.05	0.87	10.8	0.00	0.00	2.62	2.62	0.00	0.61	0.61	—	2,689	2,689	0.06	0.10	3.64	2,725
Vendor	0.15	0.07	2.59	1.21	0.01	0.03	0.55	0.58	0.03	0.15	0.18	—	2,043	2,043	0.08	0.29	1.80	2,134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.16	1.97	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	445	445	0.01	0.02	0.60	451
Vendor	0.03	0.01	0.47	0.22	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	338	338	0.01	0.05	0.30	353
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	129	129	0.01	0.01	0.01	131

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.16	7.16	< 0.005	< 0.005	0.01	7.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.04	0.38	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	129	129	0.01	0.01	0.01	131
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.16	7.16	< 0.005	< 0.005	0.01	7.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.9
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.96	1.96	< 0.005	< 0.005	—	1.96
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.51	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	127	127	< 0.005	< 0.005	0.01	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.17	0.17	< 0.005	< 0.005	< 0.005	0.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.9
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.96	1.96	< 0.005	< 0.005	—	1.96
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.51	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	127	127	< 0.005	< 0.005	0.01	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.17	0.17	< 0.005	< 0.005	< 0.005	0.17

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

3.15. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.25	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.2	40.2	< 0.005	< 0.005	—	40.4

Architectural Coatings	—	5.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.66	6.66	< 0.005	< 0.005	—	6.68
Architectural Coatings	—	1.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.57	0.40	6.62	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,475	1,475	0.07	0.05	4.78	1,498
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.56	0.50	5.81	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,393	1,393	0.07	0.06	0.12	1,412
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.15	1.77	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	424	424	0.02	0.02	0.62	430
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.1	70.1	< 0.005	< 0.005	0.10	71.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.25	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.2	40.2	< 0.005	< 0.005	—	40.4

Architect Coatings	—	5.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.66	6.66	< 0.005	< 0.005	—	6.68
Architectural Coatings	—	1.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.57	0.40	6.62	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,475	1,475	0.07	0.05	4.78	1,498
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.56	0.50	5.81	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,393	1,393	0.07	0.06	0.12	1,412
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.15	1.77	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	424	424	0.02	0.02	0.62	430
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.1	70.1	< 0.005	< 0.005	0.10	71.1

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

3.17. Architectural Coating (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.34	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55.7	55.7	< 0.005	< 0.005	—	55.8

Architectural Coatings	—	7.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.21	9.21	< 0.005	< 0.005	—	9.25
Architectural Coatings	—	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.55	0.39	6.26	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,449	1,449	0.02	0.05	4.33	1,470
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.54	0.45	5.48	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,369	1,369	0.03	0.05	0.11	1,385
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.19	2.31	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	576	576	0.01	0.02	0.78	583
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.04	0.03	0.42	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.3	95.3	< 0.005	< 0.005	0.13	96.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Architectural Coating (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.34	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55.7	55.7	< 0.005	< 0.005	—	55.8

Architect Coatings	—	7.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.21	9.21	< 0.005	< 0.005	—	9.25
Architectural Coatings	—	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.55	0.39	6.26	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,449	1,449	0.02	0.05	4.33	1,470
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.54	0.45	5.48	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,369	1,369	0.03	0.05	0.11	1,385
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.19	2.31	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	576	576	0.01	0.02	0.78	583
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.42	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.3	95.3	< 0.005	< 0.005	0.13	96.6

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

3.19. Trenching (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.25	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	207	207	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.25	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	207	207	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.0	25.0	< 0.005	< 0.005	—	25.1
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.14	4.14	< 0.005	< 0.005	—	4.15
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.08	23.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	< 0.005	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Trenching (2026) - Mitigated

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

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

Off-Road Equipment	0.21	0.18	1.25	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	207	207	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.25	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	207	207	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.0	25.0	< 0.005	< 0.005	—	25.1
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.14	4.14	< 0.005	< 0.005	—	4.15
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.08	23.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	< 0.005	22.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	2.23	2.04	1.42	15.1	0.04	0.03	3.31	3.34	0.03	0.84	0.87	—	3,802	3,802	0.17	0.14	11.6	3,861
Unenclosed 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	0.00

General Office Building	2.28	2.09	1.45	15.5	0.04	0.03	3.39	3.42	0.03	0.86	0.89	—	3,895	3,895	0.18	0.15	11.8	3,955
Strip Mall	11.5	10.5	7.30	77.9	0.19	0.14	17.1	17.2	0.13	4.33	4.47	—	19,592	19,592	0.88	0.73	59.6	19,893
Apartments Mid Rise	11.0	10.0	7.21	77.1	0.19	0.14	17.1	17.3	0.13	4.34	4.48	—	19,618	19,618	0.86	0.72	59.8	19,915
Convenience Market (24 hour)	0.00	0.00	0.00	0.00	0.00	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	26.9	24.7	17.4	186	0.46	0.34	40.9	41.2	0.32	10.4	10.7	—	46,908	46,908	2.09	1.75	143	47,623
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	2.19	2.00	1.56	14.2	0.04	0.03	3.31	3.34	0.03	0.84	0.87	—	3,633	3,633	0.18	0.15	0.30	3,683
Unenclosed 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	0.00
General Office Building	2.24	2.05	1.59	14.6	0.04	0.03	3.39	3.42	0.03	0.86	0.89	—	3,722	3,722	0.19	0.15	0.31	3,773
Strip Mall	11.3	10.3	8.02	73.2	0.18	0.14	17.1	17.2	0.13	4.33	4.47	—	18,722	18,722	0.94	0.78	1.54	18,979
Apartments Mid Rise	10.8	9.83	7.91	72.2	0.18	0.14	17.1	17.3	0.13	4.34	4.48	—	18,745	18,745	0.91	0.77	1.55	18,998
Convenience Market (24 hour)	0.00	0.00	0.00	0.00	0.00	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	26.5	24.2	19.1	174	0.44	0.34	40.9	41.2	0.32	10.4	10.7	—	44,822	44,822	2.22	1.85	3.70	45,433
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.39	0.36	0.28	2.59	0.01	0.01	0.60	0.60	< 0.005	0.15	0.16	—	606	606	0.03	0.02	0.83	615

Unenclos 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	0.00
General Office Building	0.40	0.37	0.29	2.66	0.01	0.01	0.61	0.62	< 0.005	0.16	0.16	—	621	621	0.03	0.03	0.85	630
Strip Mall	2.03	1.86	1.44	13.4	0.03	0.03	3.07	3.10	0.02	0.78	0.80	—	3,121	3,121	0.15	0.13	4.26	3,167
Apartments Mid Rise	1.95	1.77	1.43	13.2	0.03	0.03	3.08	3.11	0.02	0.78	0.81	—	3,125	3,125	0.15	0.13	4.27	3,171
Convenience Market (24 hour)	0.00	0.00	0.00	0.00	0.00	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	4.78	4.36	3.44	31.8	0.08	0.06	7.37	7.43	0.06	1.87	1.93	—	7,473	7,473	0.36	0.30	10.2	7,583

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	2.23	2.04	1.42	15.1	0.04	0.03	3.31	3.34	0.03	0.84	0.87	—	3,802	3,802	0.17	0.14	11.6	3,861
Unenclosed 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	0.00
General Office Building	2.28	2.09	1.45	15.5	0.04	0.03	3.39	3.42	0.03	0.86	0.89	—	3,895	3,895	0.18	0.15	11.8	3,955
Strip Mall	11.5	10.5	7.30	77.9	0.19	0.14	17.1	17.2	0.13	4.33	4.47	—	19,592	19,592	0.88	0.73	59.6	19,893

Apartme Mid Rise	11.0	10.0	7.21	77.1	0.19	0.14	17.1	17.3	0.13	4.34	4.48	—	19,618	19,618	0.86	0.72	59.8	19,915
Convenie nce Market (24 hour)	0.00	0.00	0.00	0.00	0.00	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	26.9	24.7	17.4	186	0.46	0.34	40.9	41.2	0.32	10.4	10.7	—	46,908	46,908	2.09	1.75	143	47,623
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	2.19	2.00	1.56	14.2	0.04	0.03	3.31	3.34	0.03	0.84	0.87	—	3,633	3,633	0.18	0.15	0.30	3,683
Unenclos ed 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	0.00
General Office Building	2.24	2.05	1.59	14.6	0.04	0.03	3.39	3.42	0.03	0.86	0.89	—	3,722	3,722	0.19	0.15	0.31	3,773
Strip Mall	11.3	10.3	8.02	73.2	0.18	0.14	17.1	17.2	0.13	4.33	4.47	—	18,722	18,722	0.94	0.78	1.54	18,979
Apartme nts Mid Rise	10.8	9.83	7.91	72.2	0.18	0.14	17.1	17.3	0.13	4.34	4.48	—	18,745	18,745	0.91	0.77	1.55	18,998
Convenie nce Market (24 hour)	0.00	0.00	0.00	0.00	0.00	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	26.5	24.2	19.1	174	0.44	0.34	40.9	41.2	0.32	10.4	10.7	—	44,822	44,822	2.22	1.85	3.70	45,433
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.39	0.36	0.28	2.59	0.01	0.01	0.60	0.60	< 0.005	0.15	0.16	—	606	606	0.03	0.02	0.83	615
Unenclos ed 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	0.00

General Office Building	0.40	0.37	0.29	2.66	0.01	0.01	0.61	0.62	< 0.005	0.16	0.16	—	621	621	0.03	0.03	0.85	630
Strip Mall	2.03	1.86	1.44	13.4	0.03	0.03	3.07	3.10	0.02	0.78	0.80	—	3,121	3,121	0.15	0.13	4.26	3,167
Apartments Mid Rise	1.95	1.77	1.43	13.2	0.03	0.03	3.08	3.11	0.02	0.78	0.81	—	3,125	3,125	0.15	0.13	4.27	3,171
Convenience Market (24 hour)	0.00	0.00	0.00	0.00	0.00	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	4.78	4.36	3.44	31.8	0.08	0.06	7.37	7.43	0.06	1.87	1.93	—	7,473	7,473	0.36	0.30	10.2	7,583

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,046	3,046	0.17	0.02	—	3,056
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	3,398	3,398	0.19	0.02	—	3,409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,716	1,716	0.10	0.01	—	1,722
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	415	415	0.02	< 0.005	—	417

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,993	2,993	0.17	0.02	—	3,003
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	363	363	0.02	< 0.005	—	364
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,931	11,931	0.67	0.08	—	11,972
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,046	3,046	0.17	0.02	—	3,056
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	3,398	3,398	0.19	0.02	—	3,409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,716	1,716	0.10	0.01	—	1,722
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	415	415	0.02	< 0.005	—	417
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,993	2,993	0.17	0.02	—	3,003
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	363	363	0.02	< 0.005	—	364
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,931	11,931	0.67	0.08	—	11,972
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	504	504	0.03	< 0.005	—	506
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	563	563	0.03	< 0.005	—	564

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	284	284	0.02	< 0.005	—	285
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	496	496	0.03	< 0.005	—	497
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	60.1	60.1	< 0.005	< 0.005	—	60.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,975	1,975	0.11	0.01	—	1,982

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,046	3,046	0.17	0.02	—	3,056
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	3,398	3,398	0.19	0.02	—	3,409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,716	1,716	0.10	0.01	—	1,722
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	415	415	0.02	< 0.005	—	417
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,993	2,993	0.17	0.02	—	3,003

Convenience	—	—	—	—	—	—	—	—	—	—	—	—	363	363	0.02	< 0.005	—	364
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,931	11,931	0.67	0.08	—	11,972
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,046	3,046	0.17	0.02	—	3,056
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	3,398	3,398	0.19	0.02	—	3,409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,716	1,716	0.10	0.01	—	1,722
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	415	415	0.02	< 0.005	—	417
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,993	2,993	0.17	0.02	—	3,003
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	363	363	0.02	< 0.005	—	364
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,931	11,931	0.67	0.08	—	11,972
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	504	504	0.03	< 0.005	—	506
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	563	563	0.03	< 0.005	—	564
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	284	284	0.02	< 0.005	—	285
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	68.8	68.8	< 0.005	< 0.005	—	69.0

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	496	496	0.03	< 0.005	—	497
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	60.1	60.1	< 0.005	< 0.005	—	60.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,975	1,975	0.11	0.01	—	1,982

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.21	0.11	1.91	1.60	0.01	0.15	—	0.15	0.15	—	0.15	—	2,280	2,280	0.20	< 0.005	—	2,286
Unenclosed 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
General Office Building	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	658	658	0.06	< 0.005	—	660
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.5	40.5	< 0.005	< 0.005	—	40.6
Apartments Mid Rise	0.11	0.06	0.98	0.42	0.01	0.08	—	0.08	0.08	—	0.08	—	1,241	1,241	0.11	< 0.005	—	1,244
Convenience Market (24 hour)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.8	42.8	< 0.005	< 0.005	—	42.9
Total	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	4,261	4,261	0.38	0.01	—	4,273

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.21	0.11	1.91	1.60	0.01	0.15	—	0.15	0.15	—	0.15	—	2,280	2,280	0.20	< 0.005	—	2,286
Unenclosed 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
General Office Building	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	658	658	0.06	< 0.005	—	660
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.5	40.5	< 0.005	< 0.005	—	40.6
Apartments Mid Rise	0.11	0.06	0.98	0.42	0.01	0.08	—	0.08	0.08	—	0.08	—	1,241	1,241	0.11	< 0.005	—	1,244
Convenience Market (24 hour)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.8	42.8	< 0.005	< 0.005	—	42.9
Total	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	4,261	4,261	0.38	0.01	—	4,273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.04	0.02	0.35	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	377	377	0.03	< 0.005	—	378
Unenclosed 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
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	0.01	< 0.005	—	109
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.70	6.70	< 0.005	< 0.005	—	6.72
Apartments Mid Rise	0.02	0.01	0.18	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	205	205	0.02	< 0.005	—	206

Convenie Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.08	7.08	< 0.005	< 0.005	—	7.10
Total	0.07	0.04	0.64	0.46	< 0.005	0.05	—	0.05	0.05	—	0.05	—	706	706	0.06	< 0.005	—	707

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.21	0.11	1.91	1.60	0.01	0.15	—	0.15	0.15	—	0.15	—	2,280	2,280	0.20	< 0.005	—	2,286
Unenclosed 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
General Office Building	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	658	658	0.06	< 0.005	—	660
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.5	40.5	< 0.005	< 0.005	—	40.6
Apartments Mid Rise	0.11	0.06	0.98	0.42	0.01	0.08	—	0.08	0.08	—	0.08	—	1,241	1,241	0.11	< 0.005	—	1,244
Convenience Market (24 hour)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.8	42.8	< 0.005	< 0.005	—	42.9
Total	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	4,261	4,261	0.38	0.01	—	4,273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.21	0.11	1.91	1.60	0.01	0.15	—	0.15	0.15	—	0.15	—	2,280	2,280	0.20	< 0.005	—	2,286

Unenclos 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
General Office Building	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	658	658	0.06	< 0.005	—	660
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.5	40.5	< 0.005	< 0.005	—	40.6
Apartments Mid Rise	0.11	0.06	0.98	0.42	0.01	0.08	—	0.08	0.08	—	0.08	—	1,241	1,241	0.11	< 0.005	—	1,244
Convenience Market (24 hour)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.8	42.8	< 0.005	< 0.005	—	42.9
Total	0.39	0.20	3.51	2.54	0.02	0.27	—	0.27	0.27	—	0.27	—	4,261	4,261	0.38	0.01	—	4,273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.04	0.02	0.35	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	377	377	0.03	< 0.005	—	378
Unenclosed 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
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	0.01	< 0.005	—	109
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.70	6.70	< 0.005	< 0.005	—	6.72
Apartments Mid Rise	0.02	0.01	0.18	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	205	205	0.02	< 0.005	—	206
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.08	7.08	< 0.005	< 0.005	—	7.10
Total	0.07	0.04	0.64	0.46	< 0.005	0.05	—	0.05	0.05	—	0.05	—	706	706	0.06	< 0.005	—	707

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	28.4	14.1	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Consumer Products	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	10.7	9.93	0.67	74.9	< 0.005	0.09	—	0.09	0.07	—	0.07	—	263	263	0.01	< 0.005	—	264
Total	39.1	43.5	10.8	202	0.46	18.4	—	18.4	17.7	—	17.7	2,973	10,623	13,596	14.1	0.02	—	13,955
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	28.4	14.1	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Consumer Products	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	28.4	33.6	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.17	0.58	0.42	5.20	0.02	0.75	—	0.75	0.72	—	0.72	111	385	496	0.52	< 0.005	—	509

Consum Products	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.96	0.89	0.06	6.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.5	21.5	< 0.005	< 0.005	—	21.6
Total	2.13	5.03	0.48	11.9	0.02	0.76	—	0.76	0.73	—	0.73	111	407	517	0.53	< 0.005	—	531

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	28.4	14.1	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Consum er Products	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	10.7	9.93	0.67	74.9	< 0.005	0.09	—	0.09	0.07	—	0.07	—	263	263	0.01	< 0.005	—	264
Total	39.1	43.5	10.8	202	0.46	18.4	—	18.4	17.7	—	17.7	2,973	10,623	13,596	14.1	0.02	—	13,955
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	28.4	14.1	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690

Consumer	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	28.4	33.6	10.2	127	0.45	18.3	—	18.3	17.6	—	17.6	2,973	10,359	13,332	14.1	0.02	—	13,690
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.17	0.58	0.42	5.20	0.02	0.75	—	0.75	0.72	—	0.72	111	385	496	0.52	< 0.005	—	509
Consumer Products	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.96	0.89	0.06	6.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.5	21.5	< 0.005	< 0.005	—	21.6
Total	2.13	5.03	0.48	11.9	0.02	0.76	—	0.76	0.73	—	0.73	111	407	517	0.53	< 0.005	—	531

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.26	47.4	55.6	0.85	0.02	—	83.0

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	21.8	125	147	2.25	0.05	—	219
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.14	23.8	27.9	0.43	0.01	—	41.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	223	259	3.79	0.09	—	381
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.04	5.96	7.00	0.11	< 0.005	—	10.4
Total	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.26	47.4	55.6	0.85	0.02	—	83.0
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	21.8	125	147	2.25	0.05	—	219
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.14	23.8	27.9	0.43	0.01	—	41.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	223	259	3.79	0.09	—	381

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.04	5.96	7.00	0.11	< 0.005	—	10.4
Total	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.37	7.84	9.21	0.14	< 0.005	—	13.7
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.61	20.7	24.3	0.37	0.01	—	36.3
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.69	3.93	4.62	0.07	< 0.005	—	6.89
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.10	36.9	43.0	0.63	0.02	—	63.1
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.17	0.99	1.16	0.02	< 0.005	—	1.73
Total	—	—	—	—	—	—	—	—	—	—	—	11.9	70.3	82.3	1.23	0.03	—	122

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.26	47.4	55.6	0.85	0.02	—	83.0

Unenclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	21.8	125	147	2.25	0.05	—	219
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.14	23.8	27.9	0.43	0.01	—	41.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	223	259	3.79	0.09	—	381
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.04	5.96	7.00	0.11	< 0.005	—	10.4
Total	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.26	47.4	55.6	0.85	0.02	—	83.0
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	21.8	125	147	2.25	0.05	—	219
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.14	23.8	27.9	0.43	0.01	—	41.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	223	259	3.79	0.09	—	381
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.04	5.96	7.00	0.11	< 0.005	—	10.4
Total	—	—	—	—	—	—	—	—	—	—	—	72.1	425	497	7.42	0.18	—	736

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.37	7.84	9.21	0.14	< 0.005	—	13.7
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.61	20.7	24.3	0.37	0.01	—	36.3
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.69	3.93	4.62	0.07	< 0.005	—	6.89
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.10	36.9	43.0	0.63	0.02	—	63.1
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.17	0.99	1.16	0.02	< 0.005	—	1.73
Total	—	—	—	—	—	—	—	—	—	—	—	11.9	70.3	82.3	1.23	0.03	—	122

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	50.2	0.00	50.2	5.01	0.00	—	175

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	218	0.00	218	21.8	0.00	—	763
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	11.9	0.00	11.9	1.19	0.00	—	41.5
Total	—	—	—	—	—	—	—	—	—	—	—	329	0.00	329	32.8	0.00	—	1,150
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	50.2	0.00	50.2	5.01	0.00	—	175
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	218	0.00	218	21.8	0.00	—	763

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	11.9	0.00	11.9	1.19	0.00	—	41.5
Total	—	—	—	—	—	—	—	—	—	—	—	329	0.00	329	32.8	0.00	—	1,150
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.30	0.00	8.30	0.83	0.00	—	29.1
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.32	0.00	5.32	0.53	0.00	—	18.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.74	0.00	2.74	0.27	0.00	—	9.57
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.1	0.00	36.1	3.61	0.00	—	126
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.97	0.00	1.97	0.20	0.00	—	6.88
Total	—	—	—	—	—	—	—	—	—	—	—	54.4	0.00	54.4	5.44	0.00	—	190

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	25.1	0.00	25.1	2.51	0.00	—	87.7

Unenclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	16.1	0.00	16.1	1.61	0.00	—	56.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	8.26	0.00	8.26	0.83	0.00	—	28.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	109	0.00	109	10.9	0.00	—	381
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	5.94	0.00	5.94	0.59	0.00	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	575
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	25.1	0.00	25.1	2.51	0.00	—	87.7
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	16.1	0.00	16.1	1.61	0.00	—	56.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	8.26	0.00	8.26	0.83	0.00	—	28.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	109	0.00	109	10.9	0.00	—	381
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	5.94	0.00	5.94	0.59	0.00	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	575

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	4.15	0.00	4.15	0.42	0.00	—	14.5
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.66	0.00	2.66	0.27	0.00	—	9.30
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.1
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.98	0.00	0.98	0.10	0.00	—	3.44
Total	—	—	—	—	—	—	—	—	—	—	—	27.2	0.00	27.2	2.72	0.00	—	95.2

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	251	251
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	251	251
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.6	41.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70

Convenie Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.3	42.3

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	251	251
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	251	251
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Convenie nce Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	256	256
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.6	41.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Convenie nce Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.3	42.3

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/24/2026	3/25/2026	5.00	43.0	—
Grading	Grading	3/25/2026	5/25/2026	5.00	44.0	—
Building Construction	Building Construction	5/24/2026	7/17/2028	5.00	561	—
Paving	Paving	12/4/2027	1/4/2028	5.00	22.0	—
Architectural Coating	Architectural Coating	7/31/2027	7/31/2028	5.00	261	—
Trenching	Linear, Trenching	3/25/2026	5/25/2026	5.00	44.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73

Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	—	7.63	HHDT,MHDT
Demolition	Hauling	112	20.0	HHDT

Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	—	7.63	HHDT,MHDT
Grading	Hauling	810	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	807	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	224	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	—	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	161	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	2.50	12.0	LDA,LDT1,LDT2
Trenching	Vendor	—	7.63	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	—	7.63	HHDT,MHDT
Demolition	Hauling	112	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	—	7.63	HHDT,MHDT
Grading	Hauling	810	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	807	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	224	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	—	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	161	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

Trenching	—	—	—	—
Trenching	Worker	2.50	12.0	LDA,LDT1,LDT2
Trenching	Vendor	—	7.63	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,191,352	397,117	392,881	130,742	1,307

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	19,320	—
Grading	—	285,000	132	0.00	—
Paving	0.00	0.00	0.00	0.00	1.66

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Unenclosed Parking with Elevator	0.50	100%
General Office Building	0.00	0%
Strip Mall	0.00	0%
Apartments Mid Rise	—	0%
Convenience Market (24 hour)	0.00	0%
User Defined Linear	1.16	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	589	0.03	< 0.005
2027	0.00	589	0.03	< 0.005
2028	0.00	589	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	524	524	524	191,114	4,691	4,691	4,691	1,712,246
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	536	536	536	195,783	4,806	4,806	4,806	1,754,076
Strip Mall	2,698	2,698	2,698	984,771	24,172	24,172	24,172	8,822,851
Apartments Mid Rise	2,527	2,527	2,527	922,406	24,241	24,241	24,241	8,847,841

Convenience Market (24 hour)	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
Hotel	524	524	524	191,114	4,691	4,691	4,691	1,712,246
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	536	536	536	195,783	4,806	4,806	4,806	1,754,076
Strip Mall	2,698	2,698	2,698	984,771	24,172	24,172	24,172	8,822,851
Apartments Mid Rise	2,527	2,527	2,527	922,406	24,241	24,241	24,241	8,847,841
Convenience Market (24 hour)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	492
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	55
Conventional Wood Stoves	0
Catalytic Wood Stoves	27

Non-Catalytic Wood Stoves	27
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	492
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	55
Conventional Wood Stoves	0
Catalytic Wood Stoves	27
Non-Catalytic Wood Stoves	27
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1191352.05	397,117	392,881	130,742	1,307

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	1,887,441	589	0.0330	0.0040	7,112,969
Unenclosed Parking with Elevator	2,105,610	589	0.0330	0.0040	0.00
General Office Building	1,063,463	589	0.0330	0.0040	2,052,196
Strip Mall	257,350	589	0.0330	0.0040	126,343
Apartments Mid Rise	1,854,806	589	0.0330	0.0040	3,871,905
Convenience Market (24 hour)	224,926	589	0.0330	0.0040	133,492

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)
Hotel	1,887,441	589	0.0330	0.0040	7,112,969
Unenclosed Parking with Elevator	2,105,610	589	0.0330	0.0040	0.00
General Office Building	1,063,463	589	0.0330	0.0040	2,052,196
Strip Mall	257,350	589	0.0330	0.0040	126,343
Apartments Mid Rise	1,854,806	589	0.0330	0.0040	3,871,905

Convenience Market (24 hour)	224,926	589	0.0330	0.0040	133,492

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	4,312,351	0.00
Unenclosed Parking with Elevator	0.00	0.00
General Office Building	11,390,067	0.00
Strip Mall	2,162,621	0.00
Apartments Mid Rise	19,217,792	1,342,849
Convenience Market (24 hour)	542,952	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	4,312,351	0.00
Unenclosed Parking with Elevator	0.00	0.00
General Office Building	11,390,067	0.00
Strip Mall	2,162,621	0.00
Apartments Mid Rise	19,217,792	1,342,849
Convenience Market (24 hour)	542,952	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	93.1	—

Unenclosed Parking with Elevator	0.00	—
General Office Building	59.6	—
Strip Mall	30.7	—
Apartments Mid Rise	404	—
Convenience Market (24 hour)	22.0	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	46.5	—
Unenclosed Parking with Elevator	0.00	—
General Office Building	29.8	—
Strip Mall	15.3	—
Apartments Mid Rise	202	—
Convenience Market (24 hour)	11.0	—

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

Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Convenience Market (24 hour)	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 Serviced
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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.71	annual days of extreme heat
Extreme Precipitation	2.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.9	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	29.9
AQ-PM	49.8
AQ-DPM	90.7
Drinking Water	54.3
Lead Risk Housing	49.8
Pesticides	0.00
Toxic Releases	15.6
Traffic	72.5
Effect Indicators	—
CleanUp Sites	42.6
Groundwater	70.3
Haz Waste Facilities/Generators	7.35
Impaired Water Bodies	83.0
Solid Waste	35.7
Sensitive Population	—
Asthma	31.1
Cardio-vascular	49.3
Low Birth Weights	15.0
Socioeconomic Factor Indicators	—
Education	52.3
Housing	50.3
Linguistic	44.4
Poverty	68.6
Unemployment	70.9

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	38.58591043
Employed	52.13653279
Median HI	29.38534582
Education	—
Bachelor's or higher	59.05299628
High school enrollment	0.115488259
Preschool enrollment	95.7141024
Transportation	—
Auto Access	17.29757475
Active commuting	80.14885153
Social	—
2-parent households	0.731425638
Voting	47.61965867
Neighborhood	—
Alcohol availability	4.516874118
Park access	81.35506224
Retail density	80.05902733
Supermarket access	87.25779546
Tree canopy	10.61208777
Housing	—
Homeownership	10.18863082
Housing habitability	56.62774285
Low-inc homeowner severe housing cost burden	79.66123444
Low-inc renter severe housing cost burden	80.16168356
Uncrowded housing	60.05389452

Health Outcomes	—
Insured adults	54.27948159
Arthritis	20.2
Asthma ER Admissions	38.3
High Blood Pressure	40.5
Cancer (excluding skin)	36.4
Asthma	23.6
Coronary Heart Disease	19.3
Chronic Obstructive Pulmonary Disease	12.3
Diagnosed Diabetes	34.4
Life Expectancy at Birth	26.1
Cognitively Disabled	21.0
Physically Disabled	21.0
Heart Attack ER Admissions	36.2
Mental Health Not Good	28.5
Chronic Kidney Disease	27.1
Obesity	39.2
Pedestrian Injuries	98.6
Physical Health Not Good	32.6
Stroke	22.5
Health Risk Behaviors	—
Binge Drinking	32.5
Current Smoker	28.0
No Leisure Time for Physical Activity	38.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.9

Children	56.6
Elderly	27.8
English Speaking	67.4
Foreign-born	16.0
Outdoor Workers	33.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	9.9
Traffic Density	92.4
Traffic Access	71.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	51.0
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Per site plan, project summary, and PD. Total site acreage 10.15 acres. Note the modeling models all the new building. User defined linear is for trenching along Cleveland Street from Missouri Avenue to Minnesota Avenue. Landscaping area per email received.
Construction: Architectural Coatings	SDAPCD Rule 67.0.1
Operations: Hearths	SDAPCD Rule 101, no residential burning in western SD County
Operations: Architectural Coatings	SDAPCD Rule 67.0.1
Construction: Construction Phases	Per construction questionnaire Assume the trenching happens concurrently with on-site grading.
Construction: Dust From Material Movement	per construction questionnaire
Operations: Vehicle Data	Per traffic study. The trip reduction has been considered. The NCTD HQ (General Office Building) uses net trip rate.
Operations: Refrigerants	No refrigeration for transportation center (modeled as convenience market)
Construction: Off-Road Equipment	Assume trenching phase uses trenchers

Oceanside Transit Center Redevelopment Project
Energy Calculations

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallons)[4]
Passenger Cars	0.50	3,159	10,362,426	22	471,019
Light/Medium Trucks	0.47	2,959	9,707,419	17.3	561,122
Heavy Trucks/Other	0.02	142	467,169	6.4	72,995
TOTAL [6]	***1.00***	**6,261**	***20,537,014***	**--**	***1,105,137***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from ITE manual.
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

County On-Road
2028
1,477,500,314
0.0748%

Oceanside Transit Center Redevelopment Project
Energy Calculations

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms)
Hotel	1,887,441	1,887	7,112,969	71,130
Unenclosed Parking with Elevator	2,105,610	2,106	0	0
General Office Building	1,063,463	1,063	2,052,196	20,522
Strip Mall	257,350	257	126,343	1,263
Apartments Mid Rise	1,854,806	1,855	3,871,905	38,719
Convenience Market (24 hour)	224,926	225	133,492	1,335
Totals	**7,393,596**	**7,394**	**13,296,905**	**132,969**

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	San Diego County Annual Energy Consumption (2022)	Percentage Increase Countywide
Electricity (MWh)	7,394	20,242,901	0.0365%
Natrual Gas (Therms)	132,969	522,309,244	0.0255%

Oceanside Transit Center Redevelopment Project
Energy Calculations

WORKER TRIPS						
Phase	**Phase Length (# days)**	**# Worker Trips**	**Worker Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption**
Demolition	43	15	12	7,740		310.81
Grading	44	20	12	10,560		424.05
Trenching	44	2.5	12	1,320	**24.90284233**	53.01
Building Construction	561	807	12	5,432,724		218,156.78
Paving	22	15	12	3,960		159.02
Architectural Coating	261	161	12	504,252		20,248.77
						239,352.44

VENDOR TRIPS						
Phase	**Phase Length (# days)**	**# Vendor Trips**	**Vendor Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption**
Demolition	43	0	7.63	0		0.00
Grading	44	0	7.63	0		0.00
Trenching	44	0	7.63	0	**8.343886151**	0.00
Building Construction	561	224	7.63	958,816		114,912.44
Paving	22	0	7.63	0		0.00
Architectural Coating	261	0	7.63	0		0.00
						114,912.44

HAULING TRIPS						
Phase	**Phase Length (# days)**	**# Hauling Trips**	**Hauling Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)[1]**	**Total Fuel Consumption**
Demolition	43	112	20	96,320		11,543.78
Grading	44	810	20	712,800		85,427.82
Trenching	44	0	20	0		0.00
Building Construction	561	0	20	0	**8.343886151**	0.00
Paving	22	0	20	0		0.00
Architectural Coating	261	0	20	0		0.00
						96,971.60

TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION	**451,236.48**
County Onroad Gallon	1,533,468,055
2026	0.0294%

Oceanside Transit Center Redevelopment Project
Energy Calculations

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Concrete/Industrial Saws	1	8	33	0.73	0.9636	8	43	331.48
Demolition	Excavators	3	8	36	0.38	0.5472	24	43	564.71
Demolition	Rubber Tired Dozers	2	8	367	0.4	5.872	16	43	4039.94
Grading	Excavators	2	8	36	0.38	0.5472	16	44	385.23
Grading	Graders	1	8	148	0.41	2.4272	8	44	854.37
Grading	Rubber Tired Dozers	1	8	367	0.4	5.872	8	44	2066.94
Grading	Scrapers	2	8	423	0.48	8.1216	16	44	5717.61
Grading	Tractors/Loaders/Backhoes	2	8	84	0.37	1.2432	16	44	875.21
Trenching	Tranchers	1	8	40	0.50	0.8	8	44	281.60
Building Construction	Cranes	1	7	367	0.29	4.2572	7	561	16718.02
Building Construction	Forklifts	3	8	82	0.2	0.656	24	561	8832.38
Building Construction	Generator Sets	1	8	14	0.74	0.4144	8	561	1859.83
Building Construction	Tractors/Loaders/Backhoes	3	7	84	0.37	1.2432	21	561	14646.14
Building Construction	Welders	1	8	46	0.45	0.828	8	561	3716.06
Paving	Pavers	2	8	81	0.42	1.3608	16	22	479.00
Paving	Paving Equipment	2	8	89	0.36	1.2816	16	22	451.12
Paving	Rollers	2	8	36	0.38	0.5472	16	22	192.61
Architectural Coating	Air Compressors	1	6	37	0.48	0.7104	6	261	1112.49
								Total:	**63,125**

Notes:

Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Climate Action Plan (CAP) Consistent Checklist

For New Development Subject to Environmental Review
per the California Environmental Quality Act (CEQA)

With the adoption of the **Climate Action Plan (CAP)** on May 8, 2019, the City of Oceanside committed to measures designed to reduce local greenhouse gas (GHG) emissions in a manner consistent with state emissions reduction goals. In addition to City initiatives and voluntary community efforts, these measures include **requirements for certain types of new development**. These requirements promote local renewable energy generation, electric vehicle charging infrastructure, urban forestry, reduction in single-occupancy vehicle trips, recycled water use, and other efforts that reduce the City's carbon footprint while enhancing its energy and water independence.

The **CAP Consistency Checklist (Checklist)** consolidates these requirements within a single document, allowing for streamlined compliance review.

The **California Environmental Quality Act (CEQA)** requires that the potential GHG emissions impacts of new development be analyzed, and that significant emissions impacts be mitigated to the extent feasible. Under CEQA, local jurisdictions can establish their own significance thresholds for GHG emissions impacts.

The City of Oceanside has set a significance threshold that aligns with the City's emissions reduction targets as outlined in the CAP (3.5MT CO_2^e per service population). This threshold is discussed in a policy directive that can be furnished upon request. While applicants can choose to conduct project-specific GHG emissions analysis to demonstrate compliance with the City's significance threshold, conforming to the requirements consolidated in the Checklist may be a more expeditious way to address CEQA requirements.

Applicants who choose to utilize the Checklist should factor the associated requirements into the project design process and submit the Checklist concurrently with the initial entitlement application.

Version 2.0 (9/30/2021)

Project Information

Contact Information

Project Number: _____ Project Name: Oceanside Transit Center Redevelopment

Property Address/APN: 235 South Tremont Street/APNs 150-046-17-00, -046-01-00 thru -046-08-00, -043-01-00 thru -043-04-00, -043-05-00, and -043-06-00

Applicant: Mr. Michael Winter, Sr Development Manager, Toll Brothers Apartment Living

Address: 23422 Mill Creek Drive, Suite 105, Laguna Hills, CA 92653

Phone Number: 949-503-7703 Email: mwinter2@tollbrothers.com

Is the Checklist being prepared by a professional consultant? ☒ Yes ☐ No

Consultant Firm: Michael Baker International Point of Contact: Michael Baker International

Phone Number: 949-855-5747 Email: kbogue@mbakerintl.com

Project Description

Project Site Area (Acres): 10.15 Status: ☐ Vacant ☒ Developed

If the site is developed, describe nature of existing development: _____

An existing bus transfer center, train platforms, NCTD offices, and two public surface parking lots

Located within a Smart Growth Opportunity Area? ☒ Yes ☐ No

Located within ¼ mile of a priority corridor? ☒ Yes ☐ No

Consistent with current land use and zoning designations? ☐ Yes ☒ No

Proposed land use(s): ☒ Residential ☒ Commercial ☐ Industrial ☐ Institutional

Residential density: 55 DU/AC Percentage of maximum allowable density: N/A

Commercial FAR: 1.90 Percentage above minimum commercial FAR: N/A

Industrial FAR: _____ Percentage of permeable surface area: _____

Applicability

In accordance with Section 15183.5 of the California Environmental Quality Act (CEQA), the Checklist provides for streamlined review of projects subject to environmental review, offering an alternative to project-specific analysis of GHG emissions impacts. The Checklist is available to projects that meet locational requirements that further the City's efforts to facilitate housing and employment growth in walkable, transit-served areas, as well as projects that either 1) conform to current land use and zoning standards or 2) involve uses that would generate less GHG emissions than those allowed under current standards. Projects not located in walkable, transit-served areas are subject to additional Checklist requirements meant to encourage project design features that facilitate sustainable modes of transportation.

The Checklist is not mandatory. As part of the CEQA process, applicants can choose to mitigate significant GHG emissions impacts by other means. However, the City, as the lead agency for the CEQA process, reserves its discretion to determine if proposed mitigation measures are appropriate and adequate. For example, the City may or may not be amenable to out-of-jurisdiction carbon offsets as a means of mitigating significant GHG emissions impacts, based on the feasibility of on-site mitigation measures, opportunities for local offsets, etc.

Consistent with California's Climate Change Scoping Plan, the City has established a bright line threshold of significance for GHG emissions impacts: 900MT annually, with construction-related emissions amortized over 20 years. Projects that fall under this threshold are not required to conduct analysis of GHG emissions impacts, and thus would not benefit from the Checklist.

CEQA-exempted projects may still be subject to CAP measures. Requirements for on-site renewable energy generation, electric vehicle charging facilities, and transportation demand management (TDM) are triggered by project type and scale, as outlined in Section 3047 of the City's Zoning Ordinance.

The applicability of the Checklist may evolve in response to the City's progress in achieving its emissions reduction goals, new state policies or regulations, new methods of mitigating GHG emissions, etc. When the CAP is periodically updated, it is likely that the Checklist will need to be revised to accord with new or modified emissions reduction measures. The CEQA-qualified status of the CAP, which is the basis for its legal enforceability, relies upon a Checklist that ensures that new development supports the City's emissions reduction goals.

Checklist

Land Use Consistency

The City seeks to accommodate future housing and job growth primarily through infill and redevelopment within already urbanized areas. Specifically, the City seeks to facilitate new residential and employment-oriented development within SANDAG-designated Smart Growth Opportunity Areas and prior corridors (i.e., Coast Hwy, Mission Avenue, Oceanside Blvd, Vista Way). To this end, the Checklist includes locational criteria for new development subject to CEQA review.

Does the project meet one or more of the following locational criteria?

1) The project site is located within a designated Smart Growth Opportunity Area[1].

   ☒ Yes ☐ No

2) The project site is located within ¼ mile of a priority TOD corridor, as determined by the Smart and Sustainable Corridors Plan and/or SB 743 screen-out boundaries.

   ☒ Yes ☐ No

3) The project is consistent with current land use and zoning designations.

   ☐ Yes ☒ No

4) The project requires amendment of current land use and zoning designations. As demonstrated through a detailed analysis a) consistent with the precedent in the surrounding zoning district and b) subject to third party expert review, the proposed land uses would generate less GHG emissions than those associated with uses allowed under current land use and zoning designations.

   ☒ Yes ☐ No

[1] Smart Growth Opportunity Areas shall be defined as the half-mile radius around transit facilities identified on the current version of the SANDAG Smart Growth Concept Map.

Projects that do not qualify under any of the above criteria are not eligible for the Checklist. Projects that qualify under Criteria 3 or 4 are subject to additional Checklist requirements, as specified below.

CAP Measure Consistency

Renewable Energy Facilities

Outlined in Section 3047 of the City's Zoning Ordinance, this Checklist requirement applies to the following types of new development:

- Residential projects that include 25 or more dwelling units
- Commercial projects that comprise at least 12,500 square feet of habitable space
- Industrial projects that comprise at least 25,000 square feet of habitable space
- Institutional projects that comprise at least 12,500 square feet of habitable space

Does the project meet one or more of the above-noted thresholds?

☒ Yes ☐ No

If yes, will at least 50 percent of estimated electricity demand be met with on-site renewable, emissions-free energy supply (e.g., solar photovoltaic facilities)?

☐ Yes ☒ No

If no, will the project purchase an energy portfolio comprised of at least 75 percent renewable, emissions-free electricity?

☐ Yes ☒ No

Electric Vehicle Parking and Charging Facilities

Outlined in Section 3048 of the City's Zoning Ordinance, this Checklist requirement is applicable to new development that requires at least five (5) parking spaces.

Is the project subject to this requirement?

☒ Yes ☐ No

If yes, how many electric vehicle parking stalls is the project required to provide?

543

If yes, how many electric vehicle charging stations is the project required to provide?

134

Briefly describe where the required parking spaces and charging stations will be located within the project site. Note the plan sheet(s) on which the parking spaces and charging stations are depicted.

A total of 543 EV parking stalls will be provided, including 134 EV charging stations. See sheets: A-101, A-102, A-103, A-104, A-106, A-107 & A-108. Spaces breakdown:

ELECTRIC VEHICLE STALLS TOTAL = 543	ELECTRIC CHARGERS TOTAL = 134
HOTEL = 71	HOTEL = 13
PARKING GARAGE OFFICE = 35	PARKING GARAGE OFFICE = 14
PARKING GARAGE RETAIL/COMMUTER = 89	PARKING GARAGE RETAIL/COMMUTER = 34
BLOCK 2 RESIDENTIAL = 142	BLOCK 2 RESIDENTIAL = 27
BLOCK 2 NON-RESIDENTIAL = 25	BLOCK 2 NON-RESIDENTIAL = 8
BLOCK 3 RESIDENTIAL =164	BLOCK 3 RESIDENTIAL= 31
BLOCK 3 NON-RESIDENTIAL = 17	BLOCK 3 NON-RESIDENTIAL = 7

Recycled Water Infrastructure

The applicability of this requirement is determined by the City's Water Utilities Department. Does the Water Utilities Department require that the project install infrastructure to provide for recycled water service?

☒ Yes ☐ No

If yes, will the project install the required infrastructure?

☒ Yes ☐ No

If yes, please briefly describe how the project will fulfill this requirement.

The City of Oceanside Water Utilities have a future capital improvement project to install a recycled water main in Seagaze Drive and S. Tremont St. The project is required to locate separate irrigation meters along Seagaze and S. Tremont St. and / or extend recycled water mainline facilities into the project to allow for future recycled water irrigation services to support the project.

Transportation Demand Management (TDM)

As outlined in Section 3050 of the City's Zoning Ordinance, the City requires that all new non-residential development expected to generate at least 50 daily employee commute trips prepare and implement a transportation demand management (TDM) plan that achieves a minimum 20 percent alternative commute mode share, with alternative commute modes being those that don't involve single-occupancy vehicle commute trips in combustion engine vehicles. The City does not prescribe specific TDM measures but rather allows developers and employers to tailor their TDM plans to suit their business location and operations.

Is the project subject to this requirement?

☒ Yes ☐ No

If yes, does the applicant accept this requirement as a condition of project approval?

☒ Yes ☐ No

If yes, please provide a preliminary indication of the resources that will be utilized to prepare the TDM Plan (e.g., qualified traffic consultant, SANDAG Mobility Management Toolbox).

Qualified traffic consultant,

NCTD staff,

SANDAG Mobility Management Toolbox

The TDM Plan must include a monitoring and reporting program that commits the project to submitting a bi-annual status report to the City. Does the applicant agree to conduct ongoing monitoring and reporting of employee commuting choices?

☒ Yes ☐ No

Urban Forestry

As part of its urban forestry efforts, the City requires that all new development establish a minimum tree canopy and permeable surface area. When meeting the minimum tree canopy and permeable surface area requirements on the project site is determined to be infeasible,

applicants can pursue alternatives. Listed in order of preference, these alternatives include installing trees in adjacent public parkways, installing trees elsewhere in the City (subject to review and approval by the Public Works Department), or paying into the City's Tree Fund, should such a fund be established. Minimum tree canopy and permeable surface area requirements are outlined in Section 3049 of the City's Zoning Ordinance.

Does the project comply with minimum tree canopy and permeable surface area requirements?

☒ Yes ☐ No

If yes, do the applicant and successors agree to maintain minimum tree canopy and permeable surface area throughout the life of the project?

☒ Yes ☐ No

Does the applicant intend to pursue one of the above-noted alternatives to establishing minimum on-site tree canopy?

☐ Yes ☒ No

If yes, which alternative does the applicant intend to pursue? N/A

☐ Tree installation in the adjacent public parkway

☐ Tree installation elsewhere in the City, as approved by the Public Works Department

☐ Payment into the City's Tree Fund, in an amount determined by the Public Works Department

If one of the above-noted alternatives is proposed, please explain why compliance with the on-site requirement is infeasible and why the proposed alternative is the most appropriate option.

N/A

Food Scraps Recycling Program

In accordance with state law (AB 1826 and SB 1383), all non-residential uses are required to participate in the City's Food Scraps Recycling Program, which involves placement of food scraps in a separate bin for separate processing. The City's Water Utilities Department and Waste Management of North County provide free technical assistance and training for businesses and their employees.

Is the project subject to this requirement?

☒ Yes ☐ No

If yes, does the applicant agree to ensure that all business owners and employees associated with the project participate in relevant training?

☒ Yes ☐ No

Oceanside Green Business Network (Voluntary)

Supported by the City's Water Utilities Department, the Oceanside Green Business Network is a free program that encourages environmental stewardship in the local business community and provides members with strategies designed to help them thrive in the green economy. While membership is voluntary, applicants for non-residential development as well as those operating businesses within the development are strongly encouraged to join the Network. Membership is contingent upon earning a minimum score on the Network's Sustainability Scorecard.

Does the applicant intend to join and promote membership in the Oceanside Green Business Network?

☐ Yes ☒ No

Energy Efficiency Audits & Analysis (Applicable Only to Projects Not Meeting Locational Criteria 1 or 2)

San Diego Gas and Electric (SDG&E) offers a variety of energy audits and evaluations for both residential and non-residential ratepayers. These programs identify opportunities for enhanced energy efficiency, which can result in lower energy costs. SDG&E services for non-residential development include the Comprehensive Audit Program and the Facility Assessment Service

Program. Applicants for non-residential development located outside of Smart Growth Opportunities areas or a ¼-mile radius of a priority corridor are required to participate in one of the above-noted programs no sooner than one year and no later than two years after initial building occupancy. Applicants are not required to implement the recommendations of the audit.

Is the project subject to this requirement?

☐ Yes ☒ No

If yes, does the applicant agree to participate in an SDG&E energy efficiency audit program within the above-noted timeframe? N/A

☐ Yes ☐ No

Mitigation of Per Capita Vehicle Miles Traveled (VMT) above Baseline (Applicable Only to Projects Not Meeting Locational Criteria 1 or 2)

Consistent with state law (AB 743), the City's CEQA review process includes assessment of impacts on vehicle miles traveled (VMT). In general, projects located in walkable, transit-rich areas are expected to generate less VMT than those located in peripheral areas with more dispersed land use patterns. Projects not meeting locational criteria 1 or 2 are required to incorporate project features that reduce VMT by at least 15 percent below the regional average, consistent with the City's Traffic Impact Analysis Guidelines for Vehicle Miles Traveled (VMT) and Level of Service Assessment.

Is the project subject to this requirement?

☐ Yes ☒ No

If yes, will the project include features that will reduce estimated VMT by at least 15 percent below the regional average, consistent with the City's Traffic Impact Analysis Guidelines for Vehicle Miles Traveled (VMT) and Level of Service Assessment? N/A

☐ Yes ☐ No

STAFF DETERMINATION REGARDING CHECKLIST COMPLIANCE

Does the project comply with the City's CAP Consistency Checklist?

□ Yes □ No

If not, what additional information and/or commitments are required?

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_____

Staff Reviewer: _____

Staff Email: _____

Date: _____