Appendix B-1

Air Quality, Energy, and Greenhouse Gas Emissions Modeling Inputs and Outputs

Table of Contents

Apple Valley Cordova Complex and Quarry at Pawnee Warehouse Project Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Apple Valley Cordova Complex and Quarry at Pawnee Warehouse Project
Construction Start Date	9/1/2024
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.00
Precipitation (days)	12.4
Location	34.606158, -117.193779
County	San Bernardino-Mojave Desert
City	Apple Valley
Air District	Mojave Desert AQMD
Air Basin	Mojave Desert
TAZ	5160
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southwest Gas Corp.
App Version	2022.1.1.20

1.2. Land Use Types

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

Unrefrigerated Warehouse-No Rail	1,158	1000sqft	42.9	1,157,640	720,900	—	—	Cordova
Unrefrigerated Warehouse-Rail	402	1000sqft	9.24	402,310	0.00	—	—	Cordova
Other Non-Asphalt Surfaces	34.6	Acre	34.6	0.00	0.00	—	—	Cordova
Unrefrigerated Warehouse-No Rail	1,085	1000sqft	36.5	1,085,200	500,765	—	—	QP
Unrefrigerated Warehouse-Rail	377	1000sqft	8.66	377,140	0.00	—	—	QP
Other Non-Asphalt Surfaces	31.2	Acre	31.2	0.00	0.00	—	—	QP
Other Asphalt Surfaces	14.0	Acre	14.0	0.00	0.00	—	—	Off-Site

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-2	Require Energy Efficient Appliances
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment

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.	5.98	5.37	39.5	83.2	0.12	0.76	15.1	15.9	0.71	5.87	6.59	—	21,402	21,402	0.57	1.37	54.6	21,880
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.93	97.3	39.9	69.4	0.12	0.78	15.1	15.9	0.73	5.87	6.59	—	20,669	20,669	0.61	1.38	1.50	21,097
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.70	10.5	20.0	48.2	0.07	0.48	7.00	7.48	0.45	1.70	2.15	—	14,115	14,115	0.41	0.94	16.1	14,421
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.68	1.91	3.65	8.80	0.01	0.09	1.28	1.36	0.08	0.31	0.39	—	2,337	2,337	0.07	0.16	2.67	2,388

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.14	2.83	39.5	69.9	0.12	0.76	15.1	15.9	0.71	5.87	6.59	—	13,985	13,985	0.52	0.34	4.81	14,103
2025	5.98	5.37	27.9	83.2	0.10	0.69	10.3	11.0	0.64	2.50	3.15	—	21,402	21,402	0.57	1.37	54.6	21,880
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.93	5.23	39.9	69.4	0.12	0.78	15.1	15.9	0.73	5.87	6.59	—	20,669	20,669	0.61	1.38	1.50	21,097
2025	5.32	4.71	28.7	66.0	0.10	0.69	10.3	11.0	0.64	2.50	3.15	—	20,351	20,351	0.60	1.37	1.42	20,777
2026	0.98	97.3	7.20	10.8	0.01	0.32	1.62	1.64	0.29	0.38	0.40	—	1,713	1,713	0.06	0.06	0.16	1,723
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	1.05	0.93	8.29	16.8	0.03	0.18	2.99	3.17	0.17	1.00	1.17	—	4,050	4,050	0.13	0.20	3.04	4,115
2025	3.70	3.32	20.0	48.2	0.07	0.48	7.00	7.48	0.45	1.70	2.15	—	14,115	14,115	0.41	0.94	16.1	14,421
2026	0.11	10.5	0.40	1.25	< 0.005	0.01	0.18	0.19	0.01	0.04	0.05	—	244	244	0.01	0.01	0.29	247
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.19	0.17	1.51	3.06	< 0.005	0.03	0.55	0.58	0.03	0.18	0.21	—	671	671	0.02	0.03	0.50	681
2025	0.68	0.61	3.65	8.80	0.01	0.09	1.28	1.36	0.08	0.31	0.39	—	2,337	2,337	0.07	0.16	2.67	2,388
2026	0.02	1.91	0.07	0.23	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	40.4	40.4	< 0.005	< 0.005	0.05	40.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.14	2.83	39.5	69.9	0.12	0.76	15.1	15.9	0.71	5.87	6.59	—	13,985	13,985	0.52	0.34	4.81	14,103
2025	5.98	5.37	27.9	83.2	0.10	0.69	10.3	11.0	0.64	2.50	3.15	—	21,402	21,402	0.57	1.37	54.6	21,880
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.93	5.23	39.9	69.4	0.12	0.78	15.1	15.9	0.73	5.87	6.59	—	20,669	20,669	0.61	1.38	1.50	21,097
2025	5.32	4.71	28.7	66.0	0.10	0.69	10.3	11.0	0.64	2.50	3.15	—	20,351	20,351	0.60	1.37	1.42	20,777
2026	0.98	97.3	7.20	10.8	0.01	0.32	1.62	1.64	0.29	0.38	0.40	—	1,713	1,713	0.06	0.06	0.16	1,723
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.05	0.93	8.29	16.8	0.03	0.18	2.99	3.17	0.17	1.00	1.17	—	4,050	4,050	0.13	0.20	3.04	4,115
2025	3.70	3.32	20.0	48.2	0.07	0.48	7.00	7.48	0.45	1.70	2.15	—	14,115	14,115	0.41	0.94	16.1	14,421
2026	0.11	10.5	0.40	1.25	< 0.005	0.01	0.18	0.19	0.01	0.04	0.05	—	244	244	0.01	0.01	0.29	247
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.19	0.17	1.51	3.06	< 0.005	0.03	0.55	0.58	0.03	0.18	0.21	—	671	671	0.02	0.03	0.50	681

2025	0.68	0.61	3.65	8.80	0.01	0.09	1.28	1.36	0.08	0.31	0.39	—	2,337	2,337	0.07	0.16	2.67	2,388
2026	0.02	1.91	0.07	0.23	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	40.4	40.4	< 0.005	< 0.005	0.05	40.9

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.	48.0	113	225	479	2.81	4.88	139	144	4.61	36.0	40.6	2,870	334,272	337,142	296	35.8	848	356,078
Mit.	24.6	91.0	224	347	2.81	4.65	139	144	4.44	36.0	40.4	1,837	333,026	334,863	192	35.2	848	350,999
% Reduced	49%	19%	< 0.5%	27%	< 0.5%	5%	—	< 0.5%	4%	—	< 0.5%	36%	< 0.5%	1%	35%	2%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.7	89.2	236	251	2.72	4.65	139	144	4.44	36.0	40.4	2,870	325,021	327,892	296	36.0	22.0	346,047
Mit.	22.7	89.2	236	251	2.72	4.65	139	144	4.44	36.0	40.4	1,837	324,236	326,073	192	35.3	22.0	341,430
% Reduced	—	—	—	—	—	—	—	—	—	—	—	36%	< 0.5%	1%	35%	2%	—	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.9	99.5	239	337	2.74	4.76	138	143	4.51	35.7	40.2	2,870	326,951	329,821	296	36.0	366	348,337
Mit.	22.4	88.9	239	273	2.74	4.64	138	142	4.43	35.7	40.1	1,837	325,939	327,776	192	35.4	366	343,493
% Reduced	34%	11%	< 0.5%	19%	< 0.5%	2%	—	< 0.5%	2%	—	< 0.5%	36%	< 0.5%	1%	35%	2%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	18.2	43.7	61.6	0.50	0.87	25.2	26.0	0.82	6.52	7.34	475	54,130	54,606	49.1	5.97	60.6	57,671
Mit.	4.09	16.2	43.6	49.8	0.50	0.85	25.2	26.0	0.81	6.52	7.33	304	53,963	54,267	31.8	5.86	60.6	56,869

% Reduced	34%	11%	< 0.5%	19%	< 0.5%	2%	—	< 0.5%	2%	—	< 0.5%	36%	< 0.5%	1%	35%	2%	—	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	23.9	21.3	223	346	2.80	4.64	139	143	4.43	36.0	40.4	—	291,805	291,805	1.92	32.1	848	302,264
Area	23.4	90.6	1.11	131	0.01	0.23	—	0.23	0.18	—	0.18	—	541	541	0.02	< 0.005	—	542
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	37,665	37,665	3.59	0.44	—	37,884
Water	—	—	—	—	—	—	—	—	—	—	—	1,339	3,926	5,265	138	3.31	—	9,693
Waste	—	—	—	—	—	—	—	—	—	—	—	1,531	0.00	1,531	153	0.00	—	5,357
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	48.0	113	225	479	2.81	4.88	139	144	4.61	36.0	40.6	2,870	334,272	337,142	296	35.8	848	356,078
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.0	19.5	236	249	2.72	4.64	139	143	4.43	36.0	40.4	—	283,095	283,095	1.97	32.2	22.0	292,775
Area	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	37,665	37,665	3.59	0.44	—	37,884
Water	—	—	—	—	—	—	—	—	—	—	—	1,339	3,926	5,265	138	3.31	—	9,693
Waste	—	—	—	—	—	—	—	—	—	—	—	1,531	0.00	1,531	153	0.00	—	5,357
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	22.7	89.2	236	251	2.72	4.65	139	144	4.44	36.0	40.4	2,870	325,021	327,892	296	36.0	22.0	346,047

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.3	19.7	239	272	2.74	4.64	138	142	4.43	35.7	40.1	—	285,048	285,048	2.00	32.3	366	295,089
Area	11.5	79.7	0.55	64.8	< 0.005	0.12	—	0.12	0.09	—	0.09	—	267	267	0.01	< 0.005	—	268
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	37,665	37,665	3.59	0.44	—	37,884
Water	—	—	—	—	—	—	—	—	—	—	—	1,339	3,926	5,265	138	3.31	—	9,693
Waste	—	—	—	—	—	—	—	—	—	—	—	1,531	0.00	1,531	153	0.00	—	5,357
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.10	0.09	0.03	0.23	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	46.0	46.0	< 0.005	< 0.005	0.00	46.2
Total	33.9	99.5	239	337	2.74	4.76	138	143	4.51	35.7	40.2	2,870	326,951	329,821	296	36.0	366	348,337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.07	3.60	43.6	49.7	0.50	0.85	25.2	26.0	0.81	6.52	7.33	—	47,193	47,193	0.33	5.35	60.6	48,855
Area	2.10	14.5	0.10	11.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	6,236	6,236	0.59	0.07	—	6,272
Water	—	—	—	—	—	—	—	—	—	—	—	222	650	872	22.8	0.55	—	1,605
Waste	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	887
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.02	0.02	< 0.005	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	7.64
Total	6.19	18.2	43.7	61.6	0.50	0.87	25.2	26.0	0.82	6.52	7.34	475	54,130	54,606	49.1	5.97	60.6	57,671

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	23.9	21.3	223	346	2.80	4.64	139	143	4.43	36.0	40.4	—	291,805	291,805	1.92	32.1	848	302,264

Area	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	37,745	37,745	3.60	0.44	—	37,965
Water	—	—	—	—	—	—	—	—	—	—	—	1,071	3,141	4,212	110	2.65	—	7,755
Waste	—	—	—	—	—	—	—	—	—	—	—	766	0.00	766	76.5	0.00	—	2,678
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	24.6	91.0	224	347	2.81	4.65	139	144	4.44	36.0	40.4	1,837	333,026	334,863	192	35.2	848	350,999
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.0	19.5	236	249	2.72	4.64	139	143	4.43	36.0	40.4	—	283,095	283,095	1.97	32.2	22.0	292,775
Area	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	37,665	37,665	3.59	0.44	—	37,884
Water	—	—	—	—	—	—	—	—	—	—	—	1,071	3,141	4,212	110	2.65	—	7,755
Waste	—	—	—	—	—	—	—	—	—	—	—	766	0.00	766	76.5	0.00	—	2,678
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	22.7	89.2	236	251	2.72	4.65	139	144	4.44	36.0	40.4	1,837	324,236	326,073	192	35.3	22.0	341,430
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.3	19.7	239	272	2.74	4.64	138	142	4.43	35.7	40.1	—	285,048	285,048	2.00	32.3	366	295,089
Area	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	37,705	37,705	3.59	0.44	—	37,924
Water	—	—	—	—	—	—	—	—	—	—	—	1,071	3,141	4,212	110	2.65	—	7,755
Waste	—	—	—	—	—	—	—	—	—	—	—	766	0.00	766	76.5	0.00	—	2,678
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.10	0.09	0.03	0.23	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	46.0	46.0	< 0.005	< 0.005	0.00	46.2

Total	22.4	88.9	239	273	2.74	4.64	138	142	4.43	35.7	40.1	1,837	325,939	327,776	192	35.4	366	343,493
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.07	3.60	43.6	49.7	0.50	0.85	25.2	26.0	0.81	6.52	7.33	—	47,193	47,193	0.33	5.35	60.6	48,855
Area	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	6,242	6,242	0.60	0.07	—	6,279
Water	—	—	—	—	—	—	—	—	—	—	—	177	520	697	18.2	0.44	—	1,284
Waste	—	—	—	—	—	—	—	—	—	—	—	127	0.00	127	12.7	0.00	—	443
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.02	0.02	< 0.005	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	7.64
Total	4.09	16.2	43.6	49.8	0.50	0.85	25.2	26.0	0.81	6.52	7.33	304	53,963	54,267	31.8	5.86	60.6	56,869

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.94	14.8	27.9	0.05	0.29	—	0.29	0.27	—	0.27	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.6	22.6	< 0.005	< 0.005	0.03	23.7

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.94	14.8	27.9	0.05	0.29	—	0.29	0.27	—	0.27	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.9	22.9	< 0.005	< 0.005	< 0.005	24.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	1.83	3.43	0.01	0.04	—	0.04	0.03	—	0.03	—	653	653	0.03	0.01	—	655
Dust From Material Movement	—	—	—	—	—	—	0.95	0.95	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.33	0.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	108	108	< 0.005	< 0.005	—	108
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.49
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.62	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	268	268	0.01	0.01	1.05	272

Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.35	135
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.11	1.09	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	237	237	0.01	0.01	0.03	240
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.01	135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.06	30.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.7
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.99	4.99	< 0.005	< 0.005	0.01	5.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.76
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2024) - 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	1.03	0.94	14.8	27.9	0.05	0.29	—	0.29	0.27	—	0.27	—	5,296	5,296	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.6	22.6	< 0.005	< 0.005	0.03	23.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.94	14.8	27.9	0.05	0.29	—	0.29	0.27	—	0.27	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.9	22.9	< 0.005	< 0.005	< 0.005	24.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	1.83	3.43	0.01	0.04	—	0.04	0.03	—	0.03	—	653	653	0.03	0.01	—	655
Dust From Material Movement	—	—	—	—	—	—	0.95	0.95	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.33	0.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	108	108	< 0.005	< 0.005	—	108
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.49

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.62	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	268	268	0.01	0.01	1.05	272
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.35	135
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.11	1.09	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	237	237	0.01	0.01	0.03	240
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.01	135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.06	30.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.7
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.99	4.99	< 0.005	< 0.005	0.01	5.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.76
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

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

Location	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	1.56	1.41	20.1	34.9	0.06	0.45	—	0.45	0.42	—	0.42	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.67	3.67	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.6	22.6	< 0.005	< 0.005	0.03	23.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.41	20.1	34.9	0.06	0.45	—	0.45	0.42	—	0.42	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.67	3.67	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.9	22.9	< 0.005	< 0.005	< 0.005	24.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.17	2.47	4.30	0.01	0.06	—	0.06	0.05	—	0.05	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	0.45	0.45	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.45	0.78	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.49
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.14	2.35	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	387	387	0.02	0.01	1.52	393
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.35	135
Hauling	0.26	0.22	3.96	2.94	0.01	0.01	0.18	0.19	0.01	0.05	0.06	—	1,130	1,130	0.01	0.18	1.48	1,185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.58	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	343	343	0.02	0.01	0.04	347
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.01	135
Hauling	0.22	0.19	4.27	3.03	0.01	0.01	0.18	0.19	0.01	0.05	0.06	—	1,144	1,144	0.01	0.18	0.04	1,198
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.5	43.5	< 0.005	< 0.005	0.08	44.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.7
Hauling	0.03	0.03	0.51	0.37	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	0.08	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.20	7.20	< 0.005	< 0.005	0.01	7.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.76
Hauling	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.01	24.3

3.4. Grading (2024) - 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	1.56	1.41	20.1	34.9	0.06	0.45	—	0.45	0.42	—	0.42	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.67	3.67	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.6	22.6	< 0.005	< 0.005	0.03	23.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.41	20.1	34.9	0.06	0.45	—	0.45	0.42	—	0.42	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.67	3.67	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.06	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	22.9	22.9	< 0.005	< 0.005	< 0.005	24.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.17	2.47	4.30	0.01	0.06	—	0.06	0.05	—	0.05	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	0.45	0.45	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.45	0.78	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	135

Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.49
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.14	2.35	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	387	387	0.02	0.01	1.52	393
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.35	135
Hauling	0.26	0.22	3.96	2.94	0.01	0.01	0.18	0.19	0.01	0.05	0.06	—	1,130	1,130	0.01	0.18	1.48	1,185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.58	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	343	343	0.02	0.01	0.04	347
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	130	130	< 0.005	0.02	0.01	135
Hauling	0.22	0.19	4.27	3.03	0.01	0.01	0.18	0.19	0.01	0.05	0.06	—	1,144	1,144	0.01	0.18	0.04	1,198
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.5	43.5	< 0.005	< 0.005	0.08	44.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.7
Hauling	0.03	0.03	0.51	0.37	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	0.08	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.20	7.20	< 0.005	< 0.005	0.01	7.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.76
Hauling	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.01	24.3

3.5. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.86	9.04	14.1	0.02	0.34	—	0.34	0.31	—	0.31	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	1.01	1.57	< 0.005	0.04	—	0.04	0.04	—	0.04	—	256	256	0.01	< 0.005	—	257
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.4	42.4	< 0.005	< 0.005	—	42.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.46	3.14	3.80	37.3	0.00	0.00	8.05	8.05	0.00	1.89	1.89	—	8,121	8,121	0.40	0.31	0.93	8,223
Vendor	0.36	0.28	8.60	3.72	0.06	0.11	2.05	2.16	0.11	0.57	0.68	—	7,799	7,799	0.02	1.03	0.54	8,107

Hauling	0.00	0.00	0.00	0.00	0.00	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	0.39	0.35	0.42	4.67	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	933	933	0.04	0.03	1.74	946
Vendor	0.04	0.03	0.96	0.41	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	869	869	< 0.005	0.11	1.01	905
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.85	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	154	154	0.01	0.01	0.29	157
Vendor	0.01	0.01	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	< 0.005	0.02	0.17	150
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2024) - 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	1.00	0.86	9.04	14.1	0.02	0.34	—	0.34	0.31	—	0.31	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	1.01	1.57	< 0.005	0.04	—	0.04	0.04	—	0.04	—	256	256	0.01	< 0.005	—	257
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.4	42.4	< 0.005	< 0.005	—	42.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.46	3.14	3.80	37.3	0.00	0.00	8.05	8.05	0.00	1.89	1.89	—	8,121	8,121	0.40	0.31	0.93	8,223
Vendor	0.36	0.28	8.60	3.72	0.06	0.11	2.05	2.16	0.11	0.57	0.68	—	7,799	7,799	0.02	1.03	0.54	8,107
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.39	0.35	0.42	4.67	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	933	933	0.04	0.03	1.74	946
Vendor	0.04	0.03	0.96	0.41	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	869	869	< 0.005	0.11	1.01	905
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.85	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	154	154	0.01	0.01	0.29	157
Vendor	0.01	0.01	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	< 0.005	0.02	0.17	150
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.80	8.57	14.1	0.02	0.29	—	0.29	0.26	—	0.26	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.80	8.57	14.1	0.02	0.29	—	0.29	0.26	—	0.26	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.64	0.54	5.85	9.60	0.01	0.20	—	0.20	0.18	—	0.18	—	1,567	1,567	0.06	0.01	—	1,572
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	1.07	1.75	< 0.005	0.04	—	0.04	0.03	—	0.03	—	259	259	0.01	< 0.005	—	260
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.68	3.37	2.99	51.2	0.00	0.00	8.05	8.05	0.00	1.89	1.89	—	8,986	8,986	0.36	0.31	32.8	9,119
Vendor	0.32	0.30	7.76	3.40	0.06	0.11	2.05	2.16	0.11	0.57	0.68	—	7,645	7,645	0.02	1.02	20.9	7,972
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.08	2.76	3.27	34.3	0.00	0.00	8.05	8.05	0.00	1.89	1.89	—	7,954	7,954	0.39	0.31	0.85	8,055
Vendor	0.29	0.27	8.21	3.46	0.06	0.11	2.05	2.16	0.11	0.57	0.68	—	7,653	7,653	0.02	1.02	0.54	7,959
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.12	1.90	2.41	26.2	0.00	0.00	5.46	5.46	0.00	1.28	1.28	—	5,593	5,593	0.26	0.21	9.69	5,671
Vendor	0.21	0.20	5.61	2.33	0.04	0.07	1.39	1.47	0.07	0.39	0.46	—	5,224	5,224	0.01	0.70	6.17	5,439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.44	4.79	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	926	926	0.04	0.03	1.60	939
Vendor	0.04	0.04	1.02	0.43	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	865	865	< 0.005	0.12	1.02	900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - 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	0.93	0.80	8.57	14.1	0.02	0.29	—	0.29	0.26	—	0.26	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.93	0.80	8.57	14.1	0.02	0.29	—	0.29	0.26	—	0.26	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.64	0.54	5.85	9.60	0.01	0.20	—	0.20	0.18	—	0.18	—	1,567	1,567	0.06	0.01	—	1,572
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	1.07	1.75	< 0.005	0.04	—	0.04	0.03	—	0.03	—	259	259	0.01	< 0.005	—	260
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.68	3.37	2.99	51.2	0.00	0.00	8.05	8.05	0.00	1.89	1.89	—	8,986	8,986	0.36	0.31	32.8	9,119
Vendor	0.32	0.30	7.76	3.40	0.06	0.11	2.05	2.16	0.11	0.57	0.68	—	7,645	7,645	0.02	1.02	20.9	7,972
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.08	2.76	3.27	34.3	0.00	0.00	8.05	8.05	0.00	1.89	1.89	—	7,954	7,954	0.39	0.31	0.85	8,055
Vendor	0.29	0.27	8.21	3.46	0.06	0.11	2.05	2.16	0.11	0.57	0.68	—	7,653	7,653	0.02	1.02	0.54	7,959
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.12	1.90	2.41	26.2	0.00	0.00	5.46	5.46	0.00	1.28	1.28	—	5,593	5,593	0.26	0.21	9.69	5,671
Vendor	0.21	0.20	5.61	2.33	0.04	0.07	1.39	1.47	0.07	0.39	0.46	—	5,224	5,224	0.01	0.70	6.17	5,439

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.44	4.79	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	926	926	0.04	0.03	1.60	939
Vendor	0.04	0.04	1.02	0.43	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	865	865	< 0.005	0.12	1.02	900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

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

Location	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	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.23	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.84	7.84	< 0.005	< 0.005	—	7.86

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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.89	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	207	207	0.01	0.01	0.02	209
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	—	6.66	6.66	< 0.005	< 0.005	0.01	6.75
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	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
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

3.10. Paving (2025) - 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	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.23	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.84	7.84	< 0.005	< 0.005	—	7.86
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.89	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	207	207	0.01	0.01	0.02	209
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	—	6.66	6.66	< 0.005	< 0.005	0.01	6.75
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	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.24	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.3	50.3	< 0.005	< 0.005	—	50.4
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.32	8.32	< 0.005	< 0.005	—	8.35
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.82	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	203	203	< 0.005	0.01	0.02	205
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	—	6.94	6.94	< 0.005	< 0.005	0.01	7.03
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	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.16
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 (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	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.24	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.3	50.3	< 0.005	< 0.005	—	50.4
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.32	8.32	< 0.005	< 0.005	—	8.35
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.82	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	203	203	< 0.005	0.01	0.02	205
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	—	6.94	6.94	< 0.005	< 0.005	0.01	7.03
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	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.16
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. Architectural Coating (2026) - Unmitigated

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

Location	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	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	96.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.01	0.09	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.3	14.3	< 0.005	< 0.005	—	14.3
Architectural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.36	2.36	< 0.005	< 0.005	—	2.37
Architectural Coatings	—	1.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.59	0.52	0.60	6.37	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,570	1,570	0.02	0.06	0.16	1,589
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	0.06	0.06	0.07	0.77	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.28	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.05	29.0

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

3.14. Architectural Coating (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	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	96.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.09	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.3	14.3	< 0.005	< 0.005	—	14.3
Architectural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.36	2.36	< 0.005	< 0.005	—	2.37

Architect Coatings	—	1.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.59	0.52	0.60	6.37	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,570	1,570	0.02	0.06	0.16	1,589
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	0.06	0.06	0.07	0.77	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.28	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.05	29.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Utilities/Off-Site Improvements (2024) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.87	8.88	13.3	0.02	0.34	—	0.34	0.31	—	0.31	—	2,244	2,244	0.09	0.02	—	2,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.99	1.48	< 0.005	0.04	—	0.04	0.03	—	0.03	—	250	250	0.01	< 0.005	—	251
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.4	41.4	< 0.005	< 0.005	—	41.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	0.97	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	211	211	0.01	0.01	0.02	214
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.2	24.2	< 0.005	< 0.005	0.05	24.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.01	4.01	< 0.005	< 0.005	0.01	4.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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. Utilities/Off-Site Improvements (2024) - 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	1.01	0.87	8.88	13.3	0.02	0.34	—	0.34	0.31	—	0.31	—	2,244	2,244	0.09	0.02	—	2,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.99	1.48	< 0.005	0.04	—	0.04	0.03	—	0.03	—	250	250	0.01	< 0.005	—	251
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.4	41.4	< 0.005	< 0.005	—	41.6

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	0.97	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	211	211	0.01	0.01	0.02	214
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.2	24.2	< 0.005	< 0.005	0.05	24.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.01	4.01	< 0.005	< 0.005	0.01	4.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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. Utilities/Off-Site Improvements (2025) - Unmitigated

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

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

Off-Road Equipment	0.94	0.81	8.54	13.2	0.02	0.29	—	0.29	0.27	—	0.27	—	2,244	2,244	0.09	0.02	—	2,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.81	8.54	13.2	0.02	0.29	—	0.29	0.27	—	0.27	—	2,244	2,244	0.09	0.02	—	2,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.64	0.55	5.83	9.03	0.01	0.20	—	0.20	0.19	—	0.19	—	1,533	1,533	0.06	0.01	—	1,538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	1.06	1.65	< 0.005	0.04	—	0.04	0.03	—	0.03	—	254	254	0.01	< 0.005	—	255
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.08	1.33	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	233	233	0.01	0.01	0.85	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.89	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	207	207	0.01	0.01	0.02	209

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	0.06	0.05	0.06	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	145	145	0.01	0.01	0.25	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.04	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Utilities/Off-Site Improvements (2025) - 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	0.94	0.81	8.54	13.2	0.02	0.29	—	0.29	0.27	—	0.27	—	2,244	2,244	0.09	0.02	—	2,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.81	8.54	13.2	0.02	0.29	—	0.29	0.27	—	0.27	—	2,244	2,244	0.09	0.02	—	2,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.64	0.55	5.83	9.03	0.01	0.20	—	0.20	0.19	—	0.19	—	1,533	1,533	0.06	0.01	—	1,538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	1.06	1.65	< 0.005	0.04	—	0.04	0.03	—	0.03	—	254	254	0.01	< 0.005	—	255
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.08	1.33	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	233	233	0.01	0.01	0.85	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.89	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	207	207	0.01	0.01	0.02	209
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	0.06	0.05	0.06	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	145	145	0.01	0.01	0.25	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.04	24.4

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	17.4	15.9	15.1	288	0.78	0.31	73.0	73.3	0.28	18.4	18.7	—	79,040	79,040	1.41	1.56	253	79,794
Unrefrigerated Warehouse-Rail	6.49	5.42	208	57.1	2.02	4.33	65.8	70.2	4.14	17.6	21.7	—	212,764	212,764	0.51	30.5	594	222,471
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	23.9	21.3	223	346	2.80	4.64	139	143	4.43	36.0	40.4	—	291,805	291,805	1.92	32.1	848	302,264
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	15.8	14.3	16.7	192	0.69	0.31	73.0	73.3	0.28	18.4	18.7	—	70,250	70,250	1.47	1.67	6.57	70,792
Unrefrige rated Warehou se-Rail	6.22	5.17	219	57.2	2.02	4.33	65.8	70.2	4.14	17.6	21.7	—	212,845	212,845	0.50	30.6	15.4	221,983
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	22.0	19.5	236	249	2.72	4.64	139	143	4.43	36.0	40.4	—	283,095	283,095	1.97	32.2	22.0	292,775
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	2.91	2.64	3.20	39.4	0.13	0.06	13.2	13.3	0.05	3.33	3.38	—	11,962	11,962	0.25	0.29	18.1	12,071
Unrefrige rated Warehou se-Rail	1.15	0.96	40.4	10.4	0.37	0.79	11.9	12.7	0.76	3.19	3.95	—	35,231	35,231	0.08	5.06	42.5	36,784
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	4.07	3.60	43.6	49.7	0.50	0.85	25.2	26.0	0.81	6.52	7.33	—	47,193	47,193	0.33	5.35	60.6	48,855

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	17.4	15.9	15.1	288	0.78	0.31	73.0	73.3	0.28	18.4	18.7	—	79,040	79,040	1.41	1.56	253	79,794
Unrefrigerated Warehouse-Rail	6.49	5.42	208	57.1	2.02	4.33	65.8	70.2	4.14	17.6	21.7	—	212,764	212,764	0.51	30.5	594	222,471
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	23.9	21.3	223	346	2.80	4.64	139	143	4.43	36.0	40.4	—	291,805	291,805	1.92	32.1	848	302,264
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	15.8	14.3	16.7	192	0.69	0.31	73.0	73.3	0.28	18.4	18.7	—	70,250	70,250	1.47	1.67	6.57	70,792
Unrefrigerated Warehouse-Rail	6.22	5.17	219	57.2	2.02	4.33	65.8	70.2	4.14	17.6	21.7	—	212,845	212,845	0.50	30.6	15.4	221,983
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	22.0	19.5	236	249	2.72	4.64	139	143	4.43	36.0	40.4	—	283,095	283,095	1.97	32.2	22.0	292,775
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.91	2.64	3.20	39.4	0.13	0.06	13.2	13.3	0.05	3.33	3.38	—	11,962	11,962	0.25	0.29	18.1	12,071
Unrefrigerated Warehouse-Rail	1.15	0.96	40.4	10.4	0.37	0.79	11.9	12.7	0.76	3.19	3.95	—	35,231	35,231	0.08	5.06	42.5	36,784
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	4.07	3.60	43.6	49.7	0.50	0.85	25.2	26.0	0.81	6.52	7.33	—	47,193	47,193	0.33	5.35	60.6	48,855

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	19,999	19,999	1.91	0.23	—	20,115
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,950	6,950	0.66	0.08	—	6,991
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	10,716	10,716	1.02	0.12	—	10,779
Total	—	—	—	—	—	—	—	—	—	—	—	—	37,665	37,665	3.59	0.44	—	37,884
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	19,999	19,999	1.91	0.23	—	20,115
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,950	6,950	0.66	0.08	—	6,991
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

undefined	—	—	—	—	—	—	—	—	—	—	—	—	10,716	10,716	1.02	0.12	—	10,779
Total	—	—	—	—	—	—	—	—	—	—	—	—	37,665	37,665	3.59	0.44	—	37,884
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,311	3,311	0.32	0.04	—	3,330
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,151	1,151	0.11	0.01	—	1,157
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,774	1,774	0.17	0.02	—	1,785
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,236	6,236	0.59	0.07	—	6,272

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	20,058	20,058	1.91	0.23	—	20,175

Unrefrige Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,971	6,971	0.66	0.08	—	7,011
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	10,716	10,716	1.02	0.12	—	10,779
Total	—	—	—	—	—	—	—	—	—	—	—	—	37,745	37,745	3.60	0.44	—	37,965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	19,999	19,999	1.91	0.23	—	20,115
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,950	6,950	0.66	0.08	—	6,991
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	10,716	10,716	1.02	0.12	—	10,779
Total	—	—	—	—	—	—	—	—	—	—	—	—	37,665	37,665	3.59	0.44	—	37,884
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	3,316	3,316	0.32	0.04	—	3,335
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,152	1,152	0.11	0.01	—	1,159
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,774	1,774	0.17	0.02	—	1,785
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,242	6,242	0.60	0.07	—	6,279

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	65.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	23.4	21.6	1.11	131	0.01	0.23	—	0.23	0.18	—	0.18	—	541	541	0.02	< 0.005	—	542
Total	23.4	90.6	1.11	131	0.01	0.23	—	0.23	0.18	—	0.18	—	541	541	0.02	< 0.005	—	542
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	65.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.10	1.94	0.10	11.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	44.1	44.1	< 0.005	< 0.005	—	44.3

Total	2.10	14.5	0.10	11.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	44.1	44.1	< 0.005	< 0.005	—	44.3

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	65.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	65.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	69.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	994	2,941	3,935	102	2.46	—	7,222
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	345	984	1,330	35.5	0.85	—	2,472
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,339	3,926	5,265	138	3.31	—	9,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	994	2,941	3,935	102	2.46	—	7,222

Unrefrigerated Warehou	—	—	—	—	—	—	—	—	—	—	—	345	984	1,330	35.5	0.85	—	2,472
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,339	3,926	5,265	138	3.31	—	9,693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	165	487	652	16.9	0.41	—	1,196
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	57.2	163	220	5.88	0.14	—	409
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	222	650	872	22.8	0.55	—	1,605

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	795	2,353	3,148	81.8	1.96	—	5,777
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	276	788	1,064	28.4	0.68	—	1,977
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,071	3,141	4,212	110	2.65	—	7,755
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	795	2,353	3,148	81.8	1.96	—	5,777
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	276	788	1,064	28.4	0.68	—	1,977
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,071	3,141	4,212	110	2.65	—	7,755
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	—	132	390	521	13.5	0.33	—	956
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	45.7	130	176	4.70	0.11	—	327
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	177	520	697	18.2	0.44	—	1,284

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	0.00	1,136	114	0.00	—	3,975
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	395	0.00	395	39.5	0.00	—	1,382

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,531	0.00	1,531	153	0.00	—	5,357
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	0.00	1,136	114	0.00	—	3,975
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	395	0.00	395	39.5	0.00	—	1,382
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,531	0.00	1,531	153	0.00	—	5,357
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	188	0.00	188	18.8	0.00	—	658
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	65.4	0.00	65.4	6.53	0.00	—	229

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	887

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	568	0.00	568	56.8	0.00	—	1,988
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	—	691
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	766	0.00	766	76.5	0.00	—	2,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	568	0.00	568	56.8	0.00	—	1,988
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	—	691
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	766	0.00	766	76.5	0.00	—	2,678
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	94.1	0.00	94.1	9.40	0.00	—	329
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	32.7	0.00	32.7	3.27	0.00	—	114
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	127	0.00	127	12.7	0.00	—	443

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

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

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

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

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.02	0.02	< 0.005	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	7.64
Total	0.02	0.02	< 0.005	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	7.64

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fire Pump	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Total	0.72	0.66	0.19	1.67	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	336	336	0.01	< 0.005	0.00	337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.02	0.02	< 0.005	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	7.64
Total	0.02	0.02	< 0.005	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	7.64

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	9/1/2024	11/3/2024	5.00	45.0	—
Grading	Grading	9/1/2024	11/3/2024	5.00	45.0	—
Building Construction	Building Construction	11/5/2024	12/15/2025	5.00	290	—
Paving	Paving	12/16/2025	1/17/2026	5.00	24.0	—
Architectural Coating	Architectural Coating	1/20/2026	3/15/2026	5.00	39.0	—
Utilities/Off-Site Improvements	Trenching	11/5/2024	12/15/2025	5.00	290	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	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	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	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
Utilities/Off-Site Improvements	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Utilities/Off-Site Improvements	Cranes	Diesel	Tier 4 Interim	1.00	8.00	367	0.29
Utilities/Off-Site Improvements	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Utilities/Off-Site Improvements	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Utilities/Off-Site Improvements	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Utilities/Off-Site Improvements	Rollers	Diesel	Average	1.00	8.00	36.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	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	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74

Building Construction	Tractors/Loaders/Backh	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
Utilities/Off-Site Improvements	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Utilities/Off-Site Improvements	Cranes	Diesel	Tier 4 Interim	1.00	8.00	367	0.29
Utilities/Off-Site Improvements	Tractors/Loaders/Backh oes	Diesel	Average	1.00	8.00	84.0	0.37
Utilities/Off-Site Improvements	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Utilities/Off-Site Improvements	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Utilities/Off-Site Improvements	Rollers	Diesel	Average	1.00	8.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	26.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	10.2	HHDT,MHDT
Grading	Hauling	200	1.00	HHDT
Grading	Onsite truck	4.00	1.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	616	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	240	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	124	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utilities/Off-Site Improvements	—	—	—	—
Utilities/Off-Site Improvements	Worker	16.0	18.5	LDA,LDT1,LDT2
Utilities/Off-Site Improvements	Vendor	—	10.2	HHDT,MHDT
Utilities/Off-Site Improvements	Hauling	0.00	20.0	HHDT
Utilities/Off-Site Improvements	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	1.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—

Grading	Worker	26.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	10.2	HHDT,MHDT
Grading	Hauling	200	1.00	HHDT
Grading	Onsite truck	4.00	1.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	616	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	240	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	124	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utilities/Off-Site Improvements	—	—	—	—
Utilities/Off-Site Improvements	Worker	16.0	18.5	LDA,LDT1,LDT2
Utilities/Off-Site Improvements	Vendor	—	10.2	HHDT,MHDT
Utilities/Off-Site Improvements	Hauling	0.00	20.0	HHDT
Utilities/Off-Site Improvements	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	1.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

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	0.00	0.00	4,533,435	1,511,145	208,539

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	67.5	0.00	—
Grading	72,000	—	135	0.00	—
Paving	0.00	0.00	0.00	0.00	79.8

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-Rail	0.00	0%
Other Non-Asphalt Surfaces	34.6	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-Rail	0.00	0%
Other Non-Asphalt Surfaces	31.2	0%
Other Asphalt Surfaces	14.0	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	61.8	532	0.03	< 0.005
2025	61.8	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	2,732	2,732	2,732	997,191	54,092	54,092	54,092	19,743,731
Unrefrigerated Warehouse-Rail	949	949	949	346,550	38,947	38,947	38,947	14,215,474
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Unrefrigerated Warehouse-No Rail	2,587	2,587	2,587	944,139	51,292	51,292	51,292	18,721,428
Unrefrigerated Warehouse-Rail	890	890	890	324,868	36,510	36,510	36,510	13,326,102
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	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
Unrefrigerated Warehouse-No Rail	2,732	2,732	2,732	997,191	54,092	54,092	54,092	19,743,731
Unrefrigerated Warehouse-Rail	949	949	949	346,550	38,947	38,947	38,947	14,215,474
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unrefrigerated Warehouse-No Rail	2,587	2,587	2,587	944,139	51,292	51,292	51,292	18,721,428
Unrefrigerated Warehouse-Rail	890	890	890	324,868	36,510	36,510	36,510	13,326,102
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	4,533,435	1,511,145	208,539

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)
Unrefrigerated Warehouse-No Rail	10,887,327	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-Rail	3,783,629	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	10,197,516	346	0.0330	0.0040	0.00

Unrefrigerated Warehouse-Rail	3,543,947	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	10,887,327	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-Rail	3,783,629	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	10,197,516	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-Rail	3,543,947	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	267,704,250	15,959,671
Unrefrigerated Warehouse-Rail	93,034,188	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Unrefrigerated Warehouse-No Rail	250,952,500	11,086,204
Unrefrigerated Warehouse-Rail	87,213,625	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	214,163,400	12,767,737
Unrefrigerated Warehouse-Rail	74,427,350	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Unrefrigerated Warehouse-No Rail	200,762,000	8,868,964
Unrefrigerated Warehouse-Rail	69,770,900	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	1,088	—
Unrefrigerated Warehouse-Rail	378	—
Other Non-Asphalt Surfaces	0.00	—
Unrefrigerated Warehouse-No Rail	1,020	—
Unrefrigerated Warehouse-Rail	355	—
Other Non-Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	544	—
Unrefrigerated Warehouse-Rail	189	—

Other Non-Asphalt Surfaces	0.00	—
Unrefrigerated Warehouse-No Rail	510	—
Unrefrigerated Warehouse-Rail	177	—
Other Non-Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

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
Forklifts	Electric	Average	64.0	24.0	82.0	0.20
Other General Industrial Equipment	Electric	Average	10.0	24.0	200	0.34

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	64.0	24.0	82.0	0.20
Other General Industrial Equipment	Electric	Average	10.0	24.0	200	0.34

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
Fire Pump	Diesel	2.00	1.00	50.0	200	0.73

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. 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	34.1	annual days of extreme heat
Extreme Precipitation	0.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.80	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	5	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	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	5	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	1	1	1	2

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	80.0
AQ-PM	7.52
AQ-DPM	21.9
Drinking Water	34.9
Lead Risk Housing	27.7
Pesticides	0.00
Toxic Releases	37.1
Traffic	59.7
Effect Indicators	—
CleanUp Sites	52.1
Groundwater	44.8
Haz Waste Facilities/Generators	16.6
Impaired Water Bodies	51.2

Solid Waste	84.7
Sensitive Population	—
Asthma	88.0
Cardio-vascular	89.5
Low Birth Weights	91.9
Socioeconomic Factor Indicators	—
Education	26.9
Housing	11.6
Linguistic	—
Poverty	52.5
Unemployment	90.6

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	44.97626075
Employed	30.46323624
Median HI	35.0442705
Education	—
Bachelor's or higher	42.93596818
High school enrollment	100
Preschool enrollment	39.79212113
Transportation	—
Auto Access	85.40998332
Active commuting	24.00872578
Social	—

2-parent households	51.18696266
Voting	75.34967278
Neighborhood	—
Alcohol availability	88.37418196
Park access	16.65597331
Retail density	8.469138971
Supermarket access	2.399589375
Tree canopy	0.71859361
Housing	—
Homeownership	62.60746824
Housing habitability	64.39112024
Low-inc homeowner severe housing cost burden	17.8108559
Low-inc renter severe housing cost burden	77.19748492
Uncrowded housing	68.66418581
Health Outcomes	—
Insured adults	64.22430386
Arthritis	4.4
Asthma ER Admissions	7.6
High Blood Pressure	8.9
Cancer (excluding skin)	9.1
Asthma	30.0
Coronary Heart Disease	6.8
Chronic Obstructive Pulmonary Disease	13.3
Diagnosed Diabetes	35.6
Life Expectancy at Birth	34.2
Cognitively Disabled	41.3
Physically Disabled	11.3

Heart Attack ER Admissions	2.7
Mental Health Not Good	48.5
Chronic Kidney Disease	20.1
Obesity	46.5
Pedestrian Injuries	48.3
Physical Health Not Good	39.9
Stroke	15.1
Health Risk Behaviors	—
Binge Drinking	57.0
Current Smoker	46.7
No Leisure Time for Physical Activity	58.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	58.1
Elderly	16.8
English Speaking	81.5
Foreign-born	11.0
Outdoor Workers	47.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	90.2
Traffic Density	37.9
Traffic Access	23.0
Other Indices	—
Hardship	32.7
Other Decision Support	—
2016 Voting	75.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	65.0
Healthy Places Index Score for Project Location (b)	46.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted land use based on applicant input for both sites. Total warehouse split to account for passenger vs truck trips. Added area to graded/paved for off-site improvements.
Construction: Construction Phases	Adjusted schedule based on applicant input
Construction: Off-Road Equipment	Added trenching phase for pipeline installation. Included PDFs that requires equipment >150 hp to have Tier 4 Interim engines and generators under 25 hp to be electric
Construction: Trips and VMT	Rounded one way trips/day up to even numbers. Added vendor trucks to Site Preparation and Grading phases for water transport and on-site trucks for water application. Haul truck 1-mile trip for soil transport b/t sites.

Operations: Vehicle Data	Trip generation based on traffic report, with Unrefrigerated Warehouse-Rail used to estimate trucks and Unrefrigerated Warehouse-No Rail used to estimate employee trips. Truck trip length of 41.02 miles assumed to account for trips from Port and local destinations.
Operations: Fleet Mix	Fleetmix adjusted based on vehicle type split provided in traffic reports. Unrefrigerated Warehouse-Rail used to estimate trucks and Unrefrigerated Warehouse-No Rail used to estimate employee vehicles.
Operations: Off-Road Equipment	Total of 64 forklifts operating 24 hours per day per applicant input. 10 yard trucks were also assumed. PDF specifies all zero-emission cargo handling equipment.
Construction: Architectural Coatings	Project design feature = building coatings shall be 10 g/L or less VOC
Operations: Energy Use	Per the Project Description, the Project would not use natural gas. Increased the electricity demand compensate. Also accounted for solar required per CALGreen based on the anticipated conditioned space (office/mezzanine) (about 367,382 kWh/yr from solar total for the project)
Operations: Generators + Pumps EF	Accounted for PDF that specifies all stationary source engines shall be Tier 4

Cordova Complex and Quarry at Pawnee Project

Truck Triplength Estimate

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Categor	Model Year	Speed	Fuel	Population	Total VMT	Trips
San Bernardino (MD)	2026	HHDT	Aggregate	Aggregate	Diesel	13602.3	2771005.67	284510.6973
San Bernardino (MD)	2026	LHDT1	Aggregate	Aggregate	Diesel	10626.46	392131.308	133667.513
San Bernardino (MD)	2026	LHDT2	Aggregate	Aggregate	Diesel	4658.884	175787.53	58602.90018
San Bernardino (MD)	2026	MHDT	Aggregate	Aggregate	Diesel	2842.733	163441.001	37908.74562
Average							243786.613	76726.38627

	Percent of Trucks	Number of Trucks		VMT	Trips	VMT/trip
2-Axle Trucks	17.7%	325	LHDT1, LHDT2	567,919	192,270	2.953750547
3-Axle Trucks	16.2%	298	MHDT	163,441	37,909	4.311432589
4+-Axle Trucks	66.1%	1215	HHDT	2,771,006	284,511	9.739548284
			Weighted Average (All Trucks)	**1957851**	**228163.945**	**8.580896747**

	VMT	Trips
LHDT1, LHI	731,360	230,179

Assume all HHDT trip to port and use project specific trip distance
Assume all 2-4 Axle Trucks make local deliveries within County and use EMFAC average VMT/trip.

	Percent of Trucks	Number of Trucks				VMT	Trips	VMT/trip	
2-Axle Trucks	17.7%	325	LHDT1, LHDT2			567,919	192,270	4.31	Bumped up to MHDT length
3-Axle Trucks	16.2%	298	MHDT			163,441	37,909	4.31	
4+-Axle Trucks (50%)	33.0%	608	HHDT					110	50% HHDT from Port of Long Beach
4+-Axle Trucks (50%)	33.0%	608	HHDT					9.74	50% Depart Warehouse and Based on EMFAC Regional HHDT Trip Distance
				Weighted Average (All Trucks)				**41.02**	

Cordova Complex and Quarry at Pawnee Project

CalEEMod Inputs - Operational On-Road Vehicles - Cordova

Proposed Land Uses:

Unrefrigerated Warehouse-No Rail	1,157.64	TSF	Total passenger	2,732	0.7421896	% of total
Unrefrigerated Warehouse- Rail	402.31	TSF	Total trucks	949	0.2578104	% of total
Total	1,559.95	TSF	Total	3,681		

Land Use:	Trips	Type	Trip Rate
Unrefrigerated Warehouse-No Rail	2,732	Passenger	2.359972967
Unrefrigerated Warehouse- Rail	949	Trucks	2.358867979

Truck % From Traffic Tab

Truck Type	Percent of Trucks	Number of Trucks	
2-Axle Trucks	17.70%	168	LHDT1, LHDT2
3-Axle Trucks	16.23%	154	MHDT
4+-Axle Trucks	66.07%	627	HHDT
	100%	949	

CalEEMod Default Fleetmix

FleetMixLandUseSubType	% LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Checksum
Unrefrigerated Warehouse-No Rail	48.63565266	4.441097379	20.86244971	15.74465334	3.462066129	0.937731005	0.540603	1.957255	0.04939	0.02368	2.63291	0.10682	0.60569	100
Unrefrigerated Warehouse- Rail	48.63565266	4.441097379	20.86244971	15.74465334	3.462066129	0.937731005	0.540603	1.957255	0.04939	0.02368	2.63291	0.10682	0.60569	100

Total Default % Passenger Vehicles	%LDA	%LDT1	%LDT2	%MDV	Checksum	Total of 2-Axle Trucks	%LHD1	%LHD2	Checksum	
89.68385309	54.230111%	4.951948%	23.262214%	17.555728%	100.00%	4.40	78.69%	21.31%	1	
							13.93%	3.77%	<---------	These are proportion of truck only fleetmix, input below

CalEEMod Adjusted Fleetmix

FleetMixLandUseSubType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Checksum
Unrefrigerated Warehouse-No Rail	54.2301%	4.9519%	23.2622%	17.5557%	0	0	0	0	0	0	0	0	0	1
Unrefrigerated Warehouse- Rail	0	0	0	0	13.9298%	3.7730%	16.2276%	66.0695%	0	0	0	0	0	
								0.999999	<----------	Checksum				

Cordova Complex and Quarry at Pawnee Project
Idling Emissions

Region	CalYr	VehClass	Mdl Year	Speed	Fuel	Population	PM10_IDLEX (g/vehicle-idle-hour)	Hours per day	Diesel vehicles per day	Idling Emissions g/day	lb/day	lb/year	lb/hour
San Bernardino (MD)	2025	HHDT	Aggregated	Aggregated	DSL	13290.67817	0.010482169	0.25	627	1.6430800	0.0036223	1.322143	0.0001509
San Bernardino (MD)	2025	LHDT1	Aggregated	Aggregated	DSL	10857.0041	0.438340811	0.25	84	9.2051570	0.0202936	7.407148	0.0008456
San Bernardino (MD)	2025	LHDT2	Aggregated	Aggregated	DSL	4701.002143	0.634108753	0.25	84	13.3162838	0.0293569	10.715264	0.0012232
San Bernardino (MD)	2025	MHDT	Aggregated	Aggregated	DSL	2781.840623	0.064829462	0.25	154	2.4959343	0.0055025	2.008413	0.0002293
								Totals	**949**	**26.660**	**0.059**	**21.453**	**0.002**

Note: Total vehicles per day based % of diesel vehicle population per truck category in County multiplied by the project truck trips

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	Vehicle Split	
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Gasoline	2.232242923	HHDT% Gas/Elect/NG	0.83%
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Diesel	13290.67817	HHDT% Diesel	99.17%
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Electricity	73.24127598	LHDT1% Gas/Elect/NG	54.20%
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Natural Gas	35.79343022	LHDT1% Diesel	45.80%
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Gasoline	12749.90304	LHDT2% Gas/Elect/NG	26.79%
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Diesel	10857.0041	LHDT2% Diesel	73.21%
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Electricity	98.95601889	MHDT% Gas/Elect/NG	24.85%
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Gasoline	1694.603438	MHDT% Diesel	75.15%
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Diesel	4701.002143		
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Electricity	25.33497762		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Gasoline	882.0237715		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Diesel	2781.840623		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Electricity	28.71678871		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Natural Gas	9.099353532		

Project-Level Run for Idling Emissions (g/vehicle-idle-hour)

calendar_year	season_mo	sub_area	vehicle_clas	fuel	temperature	relative_humidit	process	speed_time	pollutant	emission_rate
2025	Annual	San Bernar	HHDT	Dsl			IDLEX		PM10	0.010482169
2025	Annual	San Bernar	LHDT1	Dsl			IDLEX		PM10	0.438340811
2025	Annual	San Bernar	LHDT2	Dsl			IDLEX		PM10	0.634108753
2025	Annual	San Bernar	MHDT	Dsl			IDLEX		PM10	0.064829462

Cordova Complex and Quarry at Pawnee Project

CalEEMod Inputs - Operational On-Road Vehicles - Quarry Pawnee

Proposed Land Uses:

Unrefrigerated Warehouse-No Rail	1,085.20	TSF		Total passenger	2,561	0.7423188 % of total
Unrefrigerated Warehouse- Rail	377.14	TSF		Total trucks	889	0.2576812 % of total
Total	1,462.34	TSF		Total	3,450	

Land Use:	Trips	Type	Trip Rate
Unrefrigerated Warehouse-No Rail	2,561	Passenger	2.359924958
Unrefrigerated Warehouse- Rail	889	Trucks	2.357227317

Truck % From Traffic Tab

Truck Type	Percent of Trucks	Number of Trucks		
2-Axle Trucks	17.66%	157	LHDT1, LHDT2	78.5
3-Axle Trucks	16.20%	144	MHDT	72
4+-Axle Trucks	66.14%	588	HHDT	294
	100%	889		444.5

CalEEMod Default Fleetmix

FleetMixLandUseSubType	% LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Checksum
Unrefrigerated Warehouse-No Rail	48.63565266	4.441097379	20.86244971	15.74465334	3.462066129	0.937731005	0.540603	1.957255	0.04939	0.02368	2.63291	0.10682	0.60569	100
Unrefrigerated Warehouse- Rail	48.63565266	4.441097379	20.86244971	15.74465334	3.462066129	0.937731005	0.540603	1.957255	0.04939	0.02368	2.63291	0.10682	0.60569	100

Total Default % Passenger Vehicles	%LDA	%LDT1	%LDT2	%MDV	Checksum	Total of 2-Axle Trucks	%LHD1	%LHD2	Checksum	
89.68385309	54.230111%	4.951948%	23.262214%	17.555728%	100.00%	4.40	78.69%	21.31%	1	
							13.90%	3.76%	<--------	These are proportion of truck only fleetmix, input below

CalEEMod Adjusted Fleetmix

FleetMixLandUseSubType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Checksum
Unrefrigerated Warehouse-No Rail	54.2301%	4.9519%	23.2622%	17.5557%	0	0	0	0	0	0	0	0	0	1
Unrefrigerated Warehouse- Rail	0	0	0	0	13.8963%	3.7639%	16.1980%	66.1417%	0	0	0	0	0	
								0.999999	<----------	Checksum				

Cordova Complex and Quarry at Pawnee Project

Idling Emissions

Region	CalYr	VehClass	Mdl Year	Speed	Fuel	Population	PM10_IDLEX (g/vehicle-idle-hour)	Diesel vehicles Hours per day	Diesel vehicles per day	Idling Emissions g/day	Idling Emissions lb/day	Idling Emissions lb/year	Idling Emissions lb/hour
San Bernardino (MD)	2025	HHDT	Aggregated	Aggregated	DSL	13290.67817	0.010482169	0.25	588	1.5408788	0.0033970	1.239905	0.0001415
San Bernardino (MD)	2025	LHDT1	Aggregated	Aggregated	DSL	10857.0041	0.438340811	0.25	79	8.6572310	0.0190856	6.966246	0.0007952
San Bernardino (MD)	2025	LHDT2	Aggregated	Aggregated	DSL	4701.002143	0.634108753	0.25	79	12.5236479	0.0276095	10.077450	0.0011504
San Bernardino (MD)	2025	MHDT	Aggregated	Aggregated	DSL	2781.840623	0.064829462	0.25	144	2.3338606	0.0051452	1.877996	0.0002144
								Totals	**890**	**25.056**	**0.055**	**20.162**	**0.002**

Note: Total vehicles per day based % of diesel vehicle population per truck category in County multiplied by the project truck trips

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	Vehicle Split	
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Gasoline	2.232242923	HHDT% Gas/Elect/NG	0.83%
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Diesel	13290.67817	HHDT% Diesel	99.17%
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Electricity	73.24127598	LHDT1% Gas/Elect/NG	54.20%
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Natural Gas	35.79343022	LHDT1% Diesel	45.80%
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Gasoline	12749.90304	LHDT2% Gas/Elect/NG	26.79%
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Diesel	10857.0041	LHDT2% Diesel	73.21%
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Electricity	98.95601889	MHDT% Gas/Elect/NG	24.85%
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Gasoline	1694.603438	MHDT% Diesel	75.15%
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Diesel	4701.002143		
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Electricity	25.33497762		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Gasoline	882.0237715		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Diesel	2781.840623		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Electricity	28.71678871		
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Natural Gas	9.099353532		

Project-Level Run for Idling Emissions (g/vehicle-idle-hour)

calendar_year	season_mo	sub_area	vehicle_clas	fuel	temperature	relative_humidit	process	speed_time	pollutant	emission_rate
2025	Annual	San Bernar	HHDT	Dsl			IDLEX		PM10	0.010482169
2025	Annual	San Bernar	LHDT1	Dsl			IDLEX		PM10	0.438340811
2025	Annual	San Bernar	LHDT2	Dsl			IDLEX		PM10	0.634108753
2025	Annual	San Bernar	MHDT	Dsl			IDLEX		PM10	0.064829462

Cordova Complex and Quarry at Pawnee Project

Solar Requirements

Title 24, Part 6, Section 9.2 - Prescriptive Requirements for Photovoltaic System
https://www.energy.ca.gov/filebrowser/download/5112

Equation 9-1
kWPV Required = (CFA x A)/1000

KWPV = kWdc size of the PV system
CFA = conditioned floor area
A = Capacity factor from Table 9-1

Table 9-1: PV Capacity Factors

	Factor A - Minimum PV Capacity (W/ft2 of CFA)		
	Climate Zone		
Land Use	1,3,5,6	2,4,6-14	15
Grocery	2.62	2.91	3.53
High Rise Multifamily	1.82	2.21	2.77
Office, Financial Institutions, Unleased Tenant Space	2.59	3.13	3.8
Retail	2.62	2.91	3.53
School	1.27	1.63	2.46
Warehouse	0.39	0.44	0.58
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0.39	0.44	0.58

Conditioned Floor Area of Project:
Warehouse 0 square feet
Office/Mezzanine 20,000 square feet

Climate Zone of Project: 10 from CalEEMod

Factor A: 3.13 from Table 9-1 above

kWPV = 195.94 kWdc size of the PV system

--> Then, input the system into NREL PVWatts @: https://pvwatts.nrel.gov/

kWh per year = 367,382.00 kWh per year for project

Split b/t land use assumptions:	74.21%	Unrefrigerated Warehouse-No Rail	-->	272,634.18	kWh/yr
	25.79%	Unrefrigerated Warehouse-Rail	-->	94,747.82	kWh/yr
				367,382.00	kWh/yr

Land Use	Energy Use (From CalEEMod)		Natural Gas Breakdown (kBTU/yr) (Breakdown Percentages From CalEEMod)					Natural Gas Breakdown (kWhr/yr) (Conversion Only)					New Electricity Usage from Removed Natural Gas (kWhr/yr)					Default Electricity plus New Electricity (kWhr/unit/yr)	Remaining Natural Gas Usage (kBTU/unit/yr)
	Electricity (kWhr/yr)	Natural Gas (kBTU/yr)	Space Heating	Water Heating	Space Cooling	Cooking	Other	Space Heating	Water Heating	Space Cooling	Cooking	Other	Space Heating	Water Heating	Space Cooling	Cooking	Other		
Cordova Unrefrigerated-No Rail	5,346,795	22,007,523	6,572,115	7,126,732	1,222,362	4,652,625	2,433,688	1,926,098	2,088,640	358,239	1,363,551	713,244	1,856,956	1,384,859	358,239	1,363,551	713,244	11,023,644	0
Cordova Unrefrigerated-Rail	1,858,150	7,648,186	2,283,981	2,476,725	424,803	1,616,908	845,770	669,369	725,857	124,497	473,869	247,871	645,340	481,275	124,497	473,869	247,871	3,831,003	0
QP Unrefrigerated-No Rail	5,012,217	20,630,389	6,160,861	6,680,773	1,145,872	4,361,484	2,281,399	1,805,571	1,957,942	335,822	1,278,226	668,612	1,740,756	1,298,201	335,822	1,278,226	668,612	10,333,833	0
QP Unrefrigerated-Rail	1,741,898	7,169,688	2,141,087	2,321,772	398,226	1,515,748	792,855	627,491	680,444	116,708	444,222	232,363	604,966	451,164	116,708	444,222	232,363	3,591,321	0
Project Total	**13,959,060**	**57,455,786**	**17,158,044**	**18,606,001**	**3,191,263**	**12,146,766**	**6,353,712**	**5,028,529**	**5,452,883**	**935,267**	**3,559,868**	**1,862,090**	**4,848,017**	**3,615,499**	**935,267**	**3,559,868**	**1,862,090**	**28,779,801**	**0**

Remaining and Converted NG

Natural Gas (NG remaining as NG)	Electricity (NG converted to Electricity)
0.00%	100.00%

Only change cell C14

Conversion Factors:

3412.14 Btu/kWh

Non-Residential Natural Gas Usage Distribution (10,000 therms)						
Total	Heating	Cooling	Water Heating	Cooking	Miscellaneous	Process
15,343	4582	852	4969	3244	403	1294

Source:
(From CEUS dashboard. Report: https://planning.lacity.org/eir/CrossroadsHwd/deir/files/references/C19.pdf)

% from Space Heating	30%	
% from Water Heating	32%	
% from Space Cooling	6%	
% from Cooking	21%	
Space Heating Efficiencies:		
Electric Furnace	98%	https://www.energy.gov/energysaver/home-heating-systems/furnaces-and-boilers
Condensing NG Furnace	94%	https://www.eia.gov/todayinenergy/detail.php?id=14051
Water Heating Efficiencies		Source
Electric Water Heater	92%	https://www.energy.gov/eere/femp/energy-cost-calculator-electric-and-gas-water-heaters-0
Gas Water Heater	61%	https://www.energy.gov/eere/femp/energy-cost-calculator-electric-and-gas-water-heaters-0
Space Cooling Efficiencies:		
Electric Furnace	100%	<- in reference analysis, efficiency ratio was 1:1

Cordova Complex and Quarry at Pawnee Project

Construction Fuels

	CO2 MT/yr					Petroleum Consumption (gallons)				
Phase	**Off-Road**	**Onsite Trucks**	**Haul Trucks**	**Vendor Trucks**	**Workers**	**Off-Road**	**Onsite Trucks**	**Haul Trucks**	**Vendor Trucks**	**Workers**
Site Preparation 2024	108.09	0.46	0.00	2.65	4.99	10,587.17	45.43	0.00	259.70	568.05
Grading 2024	134.68	0.46	23.19	2.65	7.20	13,191.00	45.43	2,271.31	259.70	820.52
Building Construction 2024	42.36	0.00	0.00	143.94	154.43	4,148.97	0.00	0.00	14,097.88	17,588.61
Building Construction 2025	259.37	0.00	0.00	864.84	925.93	25,403.90	0.00	0.00	84,705.47	105,459.03
Paving 2025	7.84	0.00	0.00	0.00	1.10	767.40	0.00	0.00	0.00	125.58
Paving 2026	8.32	0.00	0.00	0.00	1.15	814.91	0.00	0.00	0.00	130.81
Architectural Coatings 2026	2.36	0.00	0.00	0.00	28.59	231.31	0.00	0.00	0.00	3,256.09
Utilities/Off-Site Improvements 2024	41.44	0.00	0.00	0.00	4.01	4,058.76	0.00	0.00	0.00	456.85
Utilities/Off-Site Improvements 2025	253.73	0.00	0.00	0.00	24.05	24,850.78	0.00	0.00	0.00	2,739.20
Total	*858.19*	*0.93*	*23.19*	*1,014.09*	*1,151.45*	*84,054.21*	*90.85*	*2,271.31*	*99,322.75*	*131,144.75*

Notes: Phases and annual CO2 are from the CalEEMod output files for the project

Conversion Factors:

Diesel Fuel	10.21	kg CO2/gallon
Gasoline	8.78	kg CO2/gallon

PDP Menifee Business Park Project

Operational Fuel Consumption

Operational Fuel Consumption Summary:

Project	Vehicle MT CO_2
Operations	47,192.88

Fuel Type	Vehicle MT CO_2	Kg/CO2/Gallon	Gallons
Gasoline	11,961.83	8.78	1,362,395.75
Diesel	35,231.05	10.21	3,450,641.35
		Total	4,813,037.10

Unmitigated:

Source	CO2 MT/yr	Petroleum Consumption (gallons)
Diesel-Fueled Fire Pumps	7.615953051	745.93
	Total Petroleum	**4,813,783.03**

Cordova Complex and Quarry at Pawnee Project
Electricity Demand

Construction

Year	KWh/yr
2024	61.80
2025	61.80
2026	0.00
Total	**123.61**

*Electricity used for small generators/ equipment

Operations

Land Use	KWh/yr
Warehouse Buildings	28,412,418.94
Electric Cargo Handling/ Landscape Equipment	11,338,735.25
Total	**39,751,154.19**

Landscape Equipment		6.56	CO2 MT/yr
Offroad		1,774.00	CO2 MT/yr
	Total	1,780.56	CO2 MT/yr
	Total lbs/year	3,925,470.14	lbs CO2/yr
	Total MWh/yr	11,338.74	MWh/yr
	Total kWh/year	11,338,735.25	kWh/yr

GHG Intensity Factor 346.2 lb CO2/MWh

Default Landscape Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM2.5E	PM10D	PM2.5D	BCO_2	CO_2	CH_4	N_2O	HFC	R	CO_2e
Unrefrigerated Warehouse-No Rail											2.514	< 0.0005	< 0.0005			2.528
Unrefrigerated Warehouse-Rail											0.874	< 0.0005	< 0.0005			0.879
Other Non-Asphalt Surfaces											0.000	0.000	0.000			0.000
Unrefrigerated Warehouse-No Rail											2.356	< 0.0005	< 0.0005			2.370
Unrefrigerated Warehouse-Rail											0.819	< 0.0005	< 0.0005			0.824
Other Non-Asphalt Surfaces											0.000	0.000	0.000			0.000
Other Asphalt Surfaces											0.000	0.000	0.000			0.000
Off-Road Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM2.5E	PM10D	PM2.5D	BCO_2	CO_2	CH_4	N_2O	HFC	R	CO_2e
N/A											1,774	0.169	0.020			1,785