APPENDIX B

Air Quality, Greenhouse Gas, and Energy

Dixon - The Campus v3 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Dixon - The Campus v3
Construction Start Date	2/1/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	33.8
Location	38.47537321353178, -121.80766801388552
County	Solano-Sacramento
City	Dixon
Air District	Yolo/Solano AQMD
Air Basin	Sacramento Valley
TAZ	830
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

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

Refrigerated Warehouse-No Rail	660	1000sqft	49.1	660,000	0.00	0.00	—	DOC
Single Family Housing	538	Dwelling Unit	99.2	1,049,100	6,301,517	0.00	1,517	Low Density Residential
Condo/Townhouse	278	Dwelling Unit	33.5	294,680	0.00	0.00	784	Medium Density Residential
Apartments Low Rise	225	Dwelling Unit	11.5	238,500	0.00	0.00	634	High Density Residential
Strip Mall	108	1000sqft	2.49	108,465	0.00	0.00	—	Retail
City Park	8.42	Acre	8.42	0.00	0.00	0.00	—	Park
Other Asphalt Surfaces	51.6	Acre	51.6	0.00	0.00	0.00	—	Hardscape

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

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.	11.3	47.1	52.3	106	0.14	1.78	1,653	1,655	1.65	169	171	—	28,337	28,337	0.69	1.37	65.4	28,829
Mit.	11.3	47.1	52.3	106	0.14	1.78	1,647	1,649	1.65	167	169	—	28,337	28,337	0.69	1.37	65.4	28,829
% Reduced	—	—	—	—	—	—	< 0.5%	< 0.5%	—	1%	1%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.8	49.1	76.8	117	0.17	2.70	1,674	1,677	2.49	172	174	—	30,872	30,872	0.93	1.51	1.72	31,347
Mit.	13.8	49.1	76.8	117	0.17	2.70	1,668	1,671	2.49	169	172	—	30,872	30,872	0.93	1.51	1.72	31,347
% Reduced	—	—	—	—	—	—	< 0.5%	< 0.5%	—	1%	1%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.91	26.6	19.9	45.6	0.06	0.58	879	879	0.54	89.0	89.6	—	13,460	13,460	0.32	0.84	16.6	13,733
Mit.	4.91	26.6	19.9	45.6	0.06	0.58	878	879	0.54	88.8	89.3	—	13,460	13,460	0.32	0.84	16.6	13,733
% Reduced	—	—	—	—	—	—	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.90	4.85	3.63	8.31	0.01	0.11	160	160	0.10	16.2	16.3	—	2,228	2,228	0.05	0.14	2.75	2,274
Mit.	0.90	4.85	3.63	8.31	0.01	0.11	160	160	0.10	16.2	16.3	—	2,228	2,228	0.05	0.14	2.75	2,274
% Reduced	—	—	—	—	—	—	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	11.3	47.1	52.3	106	0.14	1.78	1,653	1,655	1.65	169	171	—	28,337	28,337	0.69	1.37	65.4	28,829
2026	5.08	41.3	20.1	52.1	0.07	0.49	1,081	1,081	0.46	109	110	—	16,592	16,592	0.31	1.14	42.8	16,982
2027	4.89	40.8	19.3	49.6	0.07	0.44	1,081	1,081	0.42	109	109	—	16,306	16,306	0.31	1.13	38.7	16,690
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	13.8	49.1	76.8	117	0.17	2.70	1,674	1,677	2.49	172	174	—	30,872	30,872	0.93	1.51	1.72	31,347
2026	9.50	46.2	56.0	85.2	0.15	1.93	1,127	1,128	1.78	116	118	—	24,252	24,252	0.70	1.24	1.14	24,641
2027	8.20	43.6	46.0	72.2	0.14	1.49	1,111	1,112	1.37	115	116	—	22,347	22,347	0.64	1.22	1.02	22,729
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.91	26.6	19.9	45.6	0.06	0.58	879	879	0.54	89.0	89.6	—	13,460	13,460	0.32	0.84	16.6	13,733
2026	1.98	14.8	9.42	18.5	0.03	0.26	352	352	0.24	35.7	35.9	—	6,170	6,170	0.14	0.42	6.60	6,306
2027	1.87	14.6	8.56	17.1	0.03	0.22	351	351	0.20	35.6	35.8	—	5,989	5,989	0.13	0.41	5.96	6,120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.90	4.85	3.63	8.31	0.01	0.11	160	160	0.10	16.2	16.3	—	2,228	2,228	0.05	0.14	2.75	2,274
2026	0.36	2.71	1.72	3.37	0.01	0.05	64.2	64.3	0.04	6.51	6.56	—	1,022	1,022	0.02	0.07	1.09	1,044
2027	0.34	2.67	1.56	3.13	0.01	0.04	64.1	64.1	0.04	6.50	6.54	—	992	992	0.02	0.07	0.99	1,013

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	11.3	47.1	52.3	106	0.14	1.78	1,647	1,649	1.65	167	169	—	28,337	28,337	0.69	1.37	65.4	28,829
2026	5.08	41.3	20.1	52.1	0.07	0.49	1,081	1,081	0.46	109	110	—	16,592	16,592	0.31	1.14	42.8	16,982

2027	4.89	40.8	19.3	49.6	0.07	0.44	1,081	1,081	0.42	109	109	—	16,306	16,306	0.31	1.13	38.7	16,690
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	13.8	49.1	76.8	117	0.17	2.70	1,668	1,671	2.49	169	172	—	30,872	30,872	0.93	1.51	1.72	31,347
2026	9.50	46.2	56.0	85.2	0.15	1.93	1,121	1,123	1.78	114	116	—	24,252	24,252	0.70	1.24	1.14	24,641
2027	8.20	43.6	46.0	72.2	0.14	1.49	1,105	1,107	1.37	113	114	—	22,347	22,347	0.64	1.22	1.02	22,729
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.91	26.6	19.9	45.6	0.06	0.58	878	879	0.54	88.8	89.3	—	13,460	13,460	0.32	0.84	16.6	13,733
2026	1.98	14.8	9.42	18.5	0.03	0.26	352	352	0.24	35.6	35.8	—	6,170	6,170	0.14	0.42	6.60	6,306
2027	1.87	14.6	8.56	17.1	0.03	0.22	351	351	0.20	35.5	35.7	—	5,989	5,989	0.13	0.41	5.96	6,120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.90	4.85	3.63	8.31	0.01	0.11	160	160	0.10	16.2	16.3	—	2,228	2,228	0.05	0.14	2.75	2,274
2026	0.36	2.71	1.72	3.37	0.01	0.05	64.2	64.2	0.04	6.49	6.53	—	1,022	1,022	0.02	0.07	1.09	1,044
2027	0.34	2.67	1.56	3.13	0.01	0.04	64.0	64.1	0.04	6.48	6.51	—	992	992	0.02	0.07	0.99	1,013

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.	107	156	66.6	573	1.13	1.64	5,776	5,777	1.57	588	590	1,172	133,189	134,361	126	6.66	17,941	157,448
Mit.	107	156	66.6	573	1.13	1.64	5,776	5,777	1.56	588	590	1,172	132,210	133,382	126	6.64	17,941	156,459
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	87.6	137	76.1	480	1.05	1.56	5,776	5,777	1.50	588	590	1,172	125,401	126,573	128	7.20	17,610	149,519
Mit.	87.6	137	76.0	480	1.05	1.55	5,776	5,777	1.50	588	590	1,172	124,422	125,594	127	7.19	17,610	148,530
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	90.9	141	70.3	481	1.04	1.58	5,117	5,119	1.51	522	524	1,172	124,360	125,532	127	6.79	17,744	148,471
Mit.	90.9	141	70.2	481	1.04	1.57	5,117	5,119	1.51	522	524	1,172	123,381	124,553	127	6.78	17,744	147,482
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.6	25.7	12.8	87.8	0.19	0.29	934	934	0.28	95.3	95.6	194	20,589	20,783	21.0	1.12	2,938	24,581
Mit.	16.6	25.7	12.8	87.8	0.19	0.29	934	934	0.28	95.3	95.6	194	20,427	20,621	21.0	1.12	2,938	24,417
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	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	94.7	89.9	58.2	477	1.07	0.95	5,776	5,777	0.90	588	589	—	109,451	109,451	5.20	5.44	340	111,544
Area	11.4	65.9	0.85	92.5	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	295	295	0.01	< 0.005	—	296
Energy	0.88	0.44	7.58	3.69	0.05	0.61	—	0.61	0.61	—	0.61	—	23,006	23,006	3.02	0.28	—	23,166
Water	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Waste	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601

Total	107	156	66.6	573	1.13	1.64	5,776	5,777	1.57	588	590	1,172	133,189	134,361	126	6.66	17,941	157,448
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	86.8	81.5	68.5	476	1.00	0.95	5,776	5,777	0.90	588	589	—	101,959	101,959	6.32	5.99	8.82	103,911
Area	0.00	55.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.88	0.44	7.58	3.69	0.05	0.61	—	0.61	0.61	—	0.61	—	23,006	23,006	3.02	0.28	—	23,166
Water	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Waste	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Total	87.6	137	76.1	480	1.05	1.56	5,776	5,777	1.50	588	590	1,172	125,401	126,573	128	7.20	17,610	149,519
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.4	79.6	62.3	432	0.99	0.93	5,117	5,118	0.87	522	523	—	100,772	100,772	5.57	5.58	143	102,717
Area	5.63	60.5	0.42	45.6	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	146	146	0.01	< 0.005	—	146
Energy	0.88	0.44	7.58	3.69	0.05	0.61	—	0.61	0.61	—	0.61	—	23,006	23,006	3.02	0.28	—	23,166
Water	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Waste	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Total	90.9	141	70.3	481	1.04	1.58	5,117	5,119	1.51	522	524	1,172	124,360	125,532	127	6.79	17,744	148,471
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.4	14.5	11.4	78.8	0.18	0.17	934	934	0.16	95.3	95.4	—	16,684	16,684	0.92	0.92	23.7	17,006
Area	1.03	11.0	0.08	8.33	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	24.1	24.1	< 0.005	< 0.005	—	24.2
Energy	0.16	0.08	1.38	0.67	0.01	0.11	—	0.11	0.11	—	0.11	—	3,809	3,809	0.50	0.05	—	3,835
Water	—	—	—	—	—	—	—	—	—	—	—	62.7	72.2	135	6.44	0.15	—	342
Waste	—	—	—	—	—	—	—	—	—	—	—	131	0.00	131	13.1	0.00	—	460
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,914	2,914
Total	16.6	25.7	12.8	87.8	0.19	0.29	934	934	0.28	95.3	95.6	194	20,589	20,783	21.0	1.12	2,938	24,581

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	94.7	89.9	58.2	477	1.07	0.95	5,776	5,777	0.90	588	589	—	109,451	109,451	5.20	5.44	340	111,544
Area	11.4	65.9	0.85	92.5	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	295	295	0.01	< 0.005	—	296
Energy	0.87	0.44	7.52	3.67	0.05	0.60	—	0.60	0.60	—	0.60	—	22,027	22,027	2.87	0.26	—	22,177
Water	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Waste	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Total	107	156	66.6	573	1.13	1.64	5,776	5,777	1.56	588	590	1,172	132,210	133,382	126	6.64	17,941	156,459
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	86.8	81.5	68.5	476	1.00	0.95	5,776	5,777	0.90	588	589	—	101,959	101,959	6.32	5.99	8.82	103,911
Area	0.00	55.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.87	0.44	7.52	3.67	0.05	0.60	—	0.60	0.60	—	0.60	—	22,027	22,027	2.87	0.26	—	22,177
Water	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Waste	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Total	87.6	137	76.0	480	1.05	1.55	5,776	5,777	1.50	588	590	1,172	124,422	125,594	127	7.19	17,610	148,530
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.4	79.6	62.3	432	0.99	0.93	5,117	5,118	0.87	522	523	—	100,772	100,772	5.57	5.58	143	102,717
Area	5.63	60.5	0.42	45.6	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	146	146	0.01	< 0.005	—	146
Energy	0.87	0.44	7.52	3.67	0.05	0.60	—	0.60	0.60	—	0.60	—	22,027	22,027	2.87	0.26	—	22,177
Water	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065

Waste	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Total	90.9	141	70.2	481	1.04	1.57	5,117	5,119	1.51	522	524	1,172	123,381	124,553	127	6.78	17,744	147,482
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.4	14.5	11.4	78.8	0.18	0.17	934	934	0.16	95.3	95.4	—	16,684	16,684	0.92	0.92	23.7	17,006
Area	1.03	11.0	0.08	8.33	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	24.1	24.1	< 0.005	< 0.005	—	24.2
Energy	0.16	0.08	1.37	0.67	0.01	0.11	—	0.11	0.11	—	0.11	—	3,647	3,647	0.48	0.04	—	3,672
Water	—	—	—	—	—	—	—	—	—	—	—	62.7	72.2	135	6.44	0.15	—	342
Waste	—	—	—	—	—	—	—	—	—	—	—	131	0.00	131	13.1	0.00	—	460
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,914	2,914
Total	16.6	25.7	12.8	87.8	0.19	0.29	934	934	0.28	95.3	95.6	194	20,427	20,621	21.0	1.12	2,938	24,417

3. Construction Emissions Details

3.1. Demolition (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	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.25	0.25	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.53	0.00	0.00	15.6	15.6	0.00	1.57	1.57	—	122	122	< 0.005	0.01	0.01	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.25	0.06	< 0.005	< 0.005	5.17	5.18	< 0.005	0.53	0.53	—	200	200	< 0.005	0.03	0.01	209
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.78	0.78	0.00	0.08	0.08	—	6.83	6.83	< 0.005	< 0.005	0.01	6.93
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	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	10.9	10.9	< 0.005	< 0.005	0.01	11.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.14	0.14	0.00	0.01	0.01	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.15

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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.90

3.2. Demolition (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	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.25	0.25	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.53	0.00	0.00	15.6	15.6	0.00	1.57	1.57	—	122	122	< 0.005	0.01	0.01	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.25	0.06	< 0.005	< 0.005	5.17	5.18	< 0.005	0.53	0.53	—	200	200	< 0.005	0.03	0.01	209
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.78	0.78	0.00	0.08	0.08	—	6.83	6.83	< 0.005	< 0.005	0.01	6.93
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	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	10.9	10.9	< 0.005	< 0.005	0.01	11.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.14	0.14	0.00	0.01	0.01	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.15
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.90

3.3. Grading (1) (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	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.42	3.26	0.01	0.14	—	0.14	0.13	—	0.13	—	759	759	0.03	0.01	—	762
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.42	0.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.59	< 0.005	0.03	—	0.03	0.02	—	0.02	—	126	126	0.01	< 0.005	—	126
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.85	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	180	180	< 0.005	0.01	0.69	183
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.07	0.71	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	163	163	< 0.005	0.01	0.02	165
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	0.08	0.00	0.00	2.18	2.18	0.00	0.22	0.22	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.40	0.40	0.00	0.04	0.04	—	3.16	3.16	< 0.005	< 0.005	0.01	3.21
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

3.4. Grading (1) (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	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.42	3.26	0.01	0.14	—	0.14	0.13	—	0.13	—	759	759	0.03	0.01	—	762
Dust From Material Movement	—	—	—	—	—	—	0.41	0.41	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.59	< 0.005	0.03	—	0.03	0.02	—	0.02	—	126	126	0.01	< 0.005	—	126

Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.85	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	180	180	< 0.005	0.01	0.69	183
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.07	0.71	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	163	163	< 0.005	0.01	0.02	165
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	0.08	0.00	0.00	2.18	2.18	0.00	0.22	0.22	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.40	0.40	0.00	0.04	0.04	—	3.16	3.16	< 0.005	< 0.005	0.01	3.21
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

3.5. Grading (2) (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	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.49	1.51	< 0.005	0.06	—	0.06	0.06	—	0.06	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.50	0.50	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.66	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	160	160	< 0.005	0.01	0.02	162
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	0.04	0.00	0.00	1.04	1.04	0.00	0.10	0.10	—	8.92	8.92	< 0.005	< 0.005	0.01	9.06
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	0.19	0.19	0.00	0.02	0.02	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.50
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

3.6. Grading (2) (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	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.49	1.51	< 0.005	0.06	—	0.06	0.06	—	0.06	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	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	0.07	0.06	0.06	0.66	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	160	160	< 0.005	0.01	0.02	162
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	0.04	0.00	0.00	1.04	1.04	0.00	0.10	0.10	—	8.92	8.92	< 0.005	< 0.005	0.01	9.06
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	0.19	0.19	0.00	0.02	0.02	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.50
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

3.7. Grading (3) (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621

Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.47	1.57	< 0.005	0.06	—	0.06	0.06	—	0.06	—	380	380	0.02	< 0.005	—	381
Dust From Material Movement	—	—	—	—	—	—	0.53	0.53	—	0.21	0.21	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	62.8	62.8	< 0.005	< 0.005	—	63.1
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.62	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	157	157	< 0.005	0.01	0.01	159
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	1.09	1.09	0.00	0.11	0.11	—	9.19	9.19	< 0.005	< 0.005	0.01	9.32
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	0.20	0.20	0.00	0.02	0.02	—	1.52	1.52	< 0.005	< 0.005	< 0.005	1.54
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

3.8. Grading (3) (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.47	1.57	< 0.005	0.06	—	0.06	0.06	—	0.06	—	380	380	0.02	< 0.005	—	381

Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	62.8	62.8	< 0.005	< 0.005	—	63.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	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	0.07	0.06	0.06	0.62	0.00	0.00	20.8	20.8	0.00	2.10	2.10	—	157	157	< 0.005	0.01	0.01	159
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	1.09	1.09	0.00	0.11	0.11	—	9.19	9.19	< 0.005	< 0.005	0.01	9.32
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	0.20	0.20	0.00	0.02	0.02	—	1.52	1.52	< 0.005	< 0.005	< 0.005	1.54
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

3.9. Building Construction (1) (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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.18	7.72	0.01	0.26	—	0.26	0.24	—	0.24	—	1,419	1,419	0.06	0.01	—	1,424
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.15	0.12	1.13	1.41	< 0.005	0.05	—	0.05	0.04	—	0.04	—	235	235	0.01	< 0.005	—	236
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.45	3.37	2.16	36.7	0.00	0.00	903	903	0.00	91.0	91.0	—	7,816	7,816	0.15	0.28	29.8	7,933
Vendor	0.43	0.30	7.81	3.96	0.05	0.09	178	178	0.09	18.0	18.1	—	6,521	6,521	0.08	0.84	17.0	6,791
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	3.22	3.11	2.98	30.7	0.00	0.00	903	903	0.00	91.0	91.0	—	7,065	7,065	0.21	0.30	0.77	7,161
Vendor	0.36	0.29	8.49	4.06	0.05	0.09	178	178	0.09	18.0	18.1	—	6,527	6,527	0.07	0.89	0.44	6,794
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.88	1.84	1.44	17.8	0.00	0.00	485	485	0.00	49.0	49.0	—	4,264	4,264	0.10	0.18	7.61	4,327
Vendor	0.22	0.17	4.86	2.37	0.03	0.05	95.4	95.5	0.05	9.69	9.74	—	3,860	3,860	0.04	0.52	4.35	4,022
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	0.34	0.34	0.26	3.24	0.00	0.00	88.6	88.6	0.00	8.93	8.93	—	706	706	0.02	0.03	1.26	716
Vendor	0.04	0.03	0.89	0.43	0.01	0.01	17.4	17.4	0.01	1.77	1.78	—	639	639	0.01	0.09	0.72	666
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (1) (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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.18	7.72	0.01	0.26	—	0.26	0.24	—	0.24	—	1,419	1,419	0.06	0.01	—	1,424
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.15	0.12	1.13	1.41	< 0.005	0.05	—	0.05	0.04	—	0.04	—	235	235	0.01	< 0.005	—	236
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.45	3.37	2.16	36.7	0.00	0.00	903	903	0.00	91.0	91.0	—	7,816	7,816	0.15	0.28	29.8	7,933
Vendor	0.43	0.30	7.81	3.96	0.05	0.09	178	178	0.09	18.0	18.1	—	6,521	6,521	0.08	0.84	17.0	6,791
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	3.22	3.11	2.98	30.7	0.00	0.00	903	903	0.00	91.0	91.0	—	7,065	7,065	0.21	0.30	0.77	7,161

Vendor	0.36	0.29	8.49	4.06	0.05	0.09	178	178	0.09	18.0	18.1	—	6,527	6,527	0.07	0.89	0.44	6,794
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.88	1.84	1.44	17.8	0.00	0.00	485	485	0.00	49.0	49.0	—	4,264	4,264	0.10	0.18	7.61	4,327
Vendor	0.22	0.17	4.86	2.37	0.03	0.05	95.4	95.5	0.05	9.69	9.74	—	3,860	3,860	0.04	0.52	4.35	4,022
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	0.34	0.34	0.26	3.24	0.00	0.00	88.6	88.6	0.00	8.93	8.93	—	706	706	0.02	0.03	1.26	716
Vendor	0.04	0.03	0.89	0.43	0.01	0.01	17.4	17.4	0.01	1.77	1.78	—	639	639	0.01	0.09	0.72	666
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2) (2026) - Unmitigated

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

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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.38	3.51	4.62	0.01	0.13	—	0.13	0.12	—	0.12	—	854	854	0.03	0.01	—	857
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.64	0.84	< 0.005	0.02	—	0.02	0.02	—	0.02	—	141	141	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.28	3.22	1.90	34.3	0.00	0.00	903	903	0.00	91.0	91.0	—	7,662	7,662	0.13	0.28	27.0	7,776
Vendor	0.38	0.30	7.48	3.67	0.05	0.09	178	178	0.09	18.0	18.1	—	6,399	6,399	0.08	0.84	15.7	6,666
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	3.07	2.77	2.72	28.7	0.00	0.00	903	903	0.00	91.0	91.0	—	6,927	6,927	0.19	0.30	0.70	7,022
Vendor	0.36	0.27	8.07	3.76	0.05	0.09	178	178	0.09	18.0	18.1	—	6,406	6,406	0.07	0.84	0.41	6,659
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.08	0.97	0.86	9.95	0.00	0.00	292	292	0.00	29.5	29.5	—	2,516	2,516	0.06	0.11	4.16	2,554
Vendor	0.13	0.10	2.81	1.32	0.02	0.03	57.4	57.5	0.03	5.83	5.86	—	2,280	2,280	0.03	0.30	2.42	2,373
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	0.20	0.18	0.16	1.82	0.00	0.00	53.3	53.3	0.00	5.38	5.38	—	417	417	0.01	0.02	0.69	423

Vendor	0.02	0.02	0.51	0.24	< 0.005	0.01	10.5	10.5	0.01	1.06	1.07	—	377	377	< 0.005	0.05	0.40	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2) (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.38	3.51	4.62	0.01	0.13	—	0.13	0.12	—	0.12	—	854	854	0.03	0.01	—	857
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.64	0.84	< 0.005	0.02	—	0.02	0.02	—	0.02	—	141	141	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.28	3.22	1.90	34.3	0.00	0.00	903	903	0.00	91.0	91.0	—	7,662	7,662	0.13	0.28	27.0	7,776
Vendor	0.38	0.30	7.48	3.67	0.05	0.09	178	178	0.09	18.0	18.1	—	6,399	6,399	0.08	0.84	15.7	6,666
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	3.07	2.77	2.72	28.7	0.00	0.00	903	903	0.00	91.0	91.0	—	6,927	6,927	0.19	0.30	0.70	7,022
Vendor	0.36	0.27	8.07	3.76	0.05	0.09	178	178	0.09	18.0	18.1	—	6,406	6,406	0.07	0.84	0.41	6,659
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.08	0.97	0.86	9.95	0.00	0.00	292	292	0.00	29.5	29.5	—	2,516	2,516	0.06	0.11	4.16	2,554
Vendor	0.13	0.10	2.81	1.32	0.02	0.03	57.4	57.5	0.03	5.83	5.86	—	2,280	2,280	0.03	0.30	2.42	2,373
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	0.20	0.18	0.16	1.82	0.00	0.00	53.3	53.3	0.00	5.38	5.38	—	417	417	0.01	0.02	0.69	423
Vendor	0.02	0.02	0.51	0.24	< 0.005	0.01	10.5	10.5	0.01	1.06	1.07	—	377	377	< 0.005	0.05	0.40	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (3) (2027) - Unmitigated

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

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

Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.34	4.61	0.01	0.12	—	0.12	0.11	—	0.11	—	854	854	0.03	0.01	—	857
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.84	< 0.005	0.02	—	0.02	0.02	—	0.02	—	141	141	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.15	2.86	1.88	32.1	0.00	0.00	903	903	0.00	91.0	91.0	—	7,515	7,515	0.13	0.28	24.5	7,626
Vendor	0.38	0.26	7.18	3.42	0.04	0.09	178	178	0.09	18.0	18.1	—	6,260	6,260	0.08	0.83	14.2	6,525
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.95	2.63	2.46	26.7	0.00	0.00	903	903	0.00	91.0	91.0	—	6,795	6,795	0.19	0.30	0.63	6,890

Vendor	0.31	0.23	7.73	3.54	0.05	0.09	178	178	0.09	18.0	18.1	—	6,267	6,267	0.07	0.84	0.37	6,520
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.94	0.77	9.29	0.00	0.00	292	292	0.00	29.5	29.5	—	2,468	2,468	0.05	0.10	3.76	2,503
Vendor	0.13	0.09	2.67	1.23	0.02	0.03	57.4	57.5	0.03	5.83	5.86	—	2,231	2,231	0.03	0.30	2.18	2,322
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	0.19	0.17	0.14	1.70	0.00	0.00	53.3	53.3	0.00	5.38	5.38	—	409	409	0.01	0.02	0.62	414
Vendor	0.02	0.02	0.49	0.22	< 0.005	0.01	10.5	10.5	0.01	1.06	1.07	—	369	369	< 0.005	0.05	0.36	385
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (3) (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.34	4.61	0.01	0.12	—	0.12	0.11	—	0.11	—	854	854	0.03	0.01	—	857
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.84	< 0.005	0.02	—	0.02	0.02	—	0.02	—	141	141	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.15	2.86	1.88	32.1	0.00	0.00	903	903	0.00	91.0	91.0	—	7,515	7,515	0.13	0.28	24.5	7,626
Vendor	0.38	0.26	7.18	3.42	0.04	0.09	178	178	0.09	18.0	18.1	—	6,260	6,260	0.08	0.83	14.2	6,525
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.95	2.63	2.46	26.7	0.00	0.00	903	903	0.00	91.0	91.0	—	6,795	6,795	0.19	0.30	0.63	6,890
Vendor	0.31	0.23	7.73	3.54	0.05	0.09	178	178	0.09	18.0	18.1	—	6,267	6,267	0.07	0.84	0.37	6,520
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.94	0.77	9.29	0.00	0.00	292	292	0.00	29.5	29.5	—	2,468	2,468	0.05	0.10	3.76	2,503
Vendor	0.13	0.09	2.67	1.23	0.02	0.03	57.4	57.5	0.03	5.83	5.86	—	2,231	2,231	0.03	0.30	2.18	2,322
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	0.19	0.17	0.14	1.70	0.00	0.00	53.3	53.3	0.00	5.38	5.38	—	409	409	0.01	0.02	0.62	414

Vendor	0.02	0.02	0.49	0.22	< 0.005	0.01	10.5	10.5	0.01	1.06	1.07	—	369	369	< 0.005	0.05	0.36	385
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (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	—	1.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.17	0.14	1.34	1.80	< 0.005	0.06	—	0.06	0.06	—	0.06	—	272	272	0.01	< 0.005	—	273
Paving	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.1	45.1	< 0.005	< 0.005	—	45.2
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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.53	0.00	0.00	15.6	15.6	0.00	1.57	1.57	—	122	122	< 0.005	0.01	0.01	124
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	0.09	0.00	0.00	2.55	2.55	0.00	0.26	0.26	—	22.4	22.4	< 0.005	< 0.005	0.04	22.8
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	0.47	0.47	0.00	0.05	0.05	—	3.71	3.71	< 0.005	< 0.005	0.01	3.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (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	—	1.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.17	0.14	1.34	1.80	< 0.005	0.06	—	0.06	0.06	—	0.06	—	272	272	0.01	< 0.005	—	273
Paving	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.1	45.1	< 0.005	< 0.005	—	45.2
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.53	0.00	0.00	15.6	15.6	0.00	1.57	1.57	—	122	122	< 0.005	0.01	0.01	124
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	0.09	0.00	0.00	2.55	2.55	0.00	0.26	0.26	—	22.4	22.4	< 0.005	< 0.005	0.04	22.8
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	0.47	0.47	0.00	0.05	0.05	—	3.71	3.71	< 0.005	< 0.005	0.01	3.77
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. 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	—	1.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.06	0.05	0.45	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	94.6	94.6	< 0.005	< 0.005	—	94.9
Paving	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7

Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.50	0.00	0.00	15.6	15.6	0.00	1.57	1.57	—	120	120	< 0.005	0.01	0.01	121
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	0.89	0.89	0.00	0.09	0.09	—	7.65	7.65	< 0.005	< 0.005	0.01	7.76
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	0.16	0.16	0.00	0.02	0.02	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
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. 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	—	1.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.06	0.05	0.45	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	94.6	94.6	< 0.005	< 0.005	—	94.9
Paving	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.50	0.00	0.00	15.6	15.6	0.00	1.57	1.57	—	120	120	< 0.005	0.01	0.01	121
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	0.89	0.89	0.00	0.09	0.09	—	7.65	7.65	< 0.005	< 0.005	0.01	7.76
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	0.16	0.16	0.00	0.02	0.02	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (1) (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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.52	0.67	< 0.005	0.02	—	0.02	0.01	—	0.01	—	79.0	79.0	< 0.005	< 0.005	—	79.3
Architectural Coatings	—	21.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Architectural Coatings	—	3.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.07	2.02	1.30	22.0	0.00	0.00	542	542	0.00	54.6	54.6	—	4,690	4,690	0.09	0.17	17.9	4,760
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	1.93	1.86	1.79	18.4	0.00	0.00	542	542	0.00	54.6	54.6	—	4,239	4,239	0.13	0.18	0.46	4,297
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.13	1.10	0.87	10.7	0.00	0.00	291	291	0.00	29.4	29.4	—	2,559	2,559	0.06	0.11	4.57	2,596

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	0.21	0.20	0.16	1.95	0.00	0.00	53.1	53.1	0.00	5.36	5.36	—	424	424	0.01	0.02	0.76	430
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (1) (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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.52	0.67	< 0.005	0.02	—	0.02	0.01	—	0.01	—	79.0	79.0	< 0.005	< 0.005	—	79.3
Architectural Coatings	—	21.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Architectural Coatings	—	3.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.07	2.02	1.30	22.0	0.00	0.00	542	542	0.00	54.6	54.6	—	4,690	4,690	0.09	0.17	17.9	4,760
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	1.93	1.86	1.79	18.4	0.00	0.00	542	542	0.00	54.6	54.6	—	4,239	4,239	0.13	0.18	0.46	4,297
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.13	1.10	0.87	10.7	0.00	0.00	291	291	0.00	29.4	29.4	—	2,559	2,559	0.06	0.11	4.57	2,596

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	0.21	0.20	0.16	1.95	0.00	0.00	53.1	53.1	0.00	5.36	5.36	—	424	424	0.01	0.02	0.76	430
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2) (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	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	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
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	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.31	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.5	47.5	< 0.005	< 0.005	—	47.7
Architectural Coatings	—	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.87	7.87	< 0.005	< 0.005	—	7.90
Architectural Coatings	—	2.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.22. Architectural Coating (2) (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	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	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
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	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.31	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.5	47.5	< 0.005	< 0.005	—	47.7
Architectural Coatings	—	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.87	7.87	< 0.005	< 0.005	—	7.90
Architectural Coatings	—	2.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.23. Architectural Coating (3) (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.30	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.6	47.6	< 0.005	< 0.005	—	47.7
Architectural Coatings	—	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.87	7.87	< 0.005	< 0.005	—	7.90
Architectural Coatings	—	2.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.24. Architectural Coating (3) (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.30	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.6	47.6	< 0.005	< 0.005	—	47.7
Architectural Coatings	—	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.87	7.87	< 0.005	< 0.005	—	7.90
Architectural Coatings	—	2.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	30.8	29.3	18.9	155	0.35	0.31	1,873	1,873	0.29	191	191	—	35,501	35,501	1.69	1.77	110	36,180
Single Family Housing	21.7	20.6	13.3	109	0.25	0.22	1,327	1,327	0.21	135	135	—	25,137	25,137	1.19	1.25	78.1	25,617
Condo/Townhouse	9.55	9.07	5.88	48.2	0.11	0.10	585	585	0.09	59.6	59.7	—	11,083	11,083	0.53	0.55	34.4	11,295
Apartments Low Rise	7.73	7.34	4.76	39.0	0.09	0.08	473	474	0.07	48.2	48.3	—	8,970	8,970	0.42	0.45	27.9	9,141

Strip Mall	24.9	23.6	15.3	125	0.28	0.25	1,513	1,513	0.23	154	154	—	28,671	28,671	1.36	1.43	89.1	29,219
City Park	0.08	0.07	0.05	0.39	< 0.005	< 0.005	4.72	4.72	< 0.005	0.48	0.48	—	89.5	89.5	< 0.005	< 0.005	0.28	91.2
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	94.7	89.9	58.2	477	1.07	0.95	5,776	5,777	0.90	588	589	—	109,451	109,451	5.20	5.44	340	111,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	28.2	26.5	22.2	155	0.32	0.31	1,873	1,873	0.29	191	191	—	33,071	33,071	2.05	1.95	2.86	33,705
Single Family Housing	19.8	18.6	15.7	109	0.23	0.22	1,327	1,327	0.21	135	135	—	23,416	23,416	1.45	1.37	2.03	23,864
Condo/Townhouse	8.75	8.22	6.92	48.1	0.10	0.10	585	585	0.09	59.6	59.7	—	10,324	10,324	0.64	0.61	0.89	10,521
Apartments Low Rise	7.08	6.65	5.60	38.9	0.08	0.08	473	474	0.07	48.2	48.3	—	8,356	8,356	0.52	0.49	0.72	8,516
Strip Mall	22.8	21.4	18.0	125	0.26	0.25	1,513	1,513	0.23	154	154	—	26,708	26,708	1.66	1.57	2.31	27,220
City Park	0.07	0.07	0.06	0.39	< 0.005	< 0.005	4.72	4.72	< 0.005	0.48	0.48	—	83.4	83.4	0.01	< 0.005	0.01	85.0
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	86.8	81.5	68.5	476	1.00	0.95	5,776	5,777	0.90	588	589	—	101,959	101,959	6.32	5.99	8.82	103,911
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	5.14	4.84	3.78	26.2	0.06	0.06	311	311	0.05	31.7	31.7	—	5,548	5,548	0.31	0.31	7.88	5,656

Single Family Housing	3.53	3.33	2.61	18.1	0.04	0.04	215	215	0.04	21.9	22.0	—	3,841	3,841	0.21	0.21	5.46	3,915
Condo/Townhouse	1.43	1.34	1.05	7.32	0.02	0.02	86.8	86.9	0.01	8.86	8.87	—	1,551	1,551	0.09	0.09	2.20	1,581
Apartments Low Rise	1.15	1.09	0.85	5.92	0.01	0.01	70.3	70.3	0.01	7.17	7.18	—	1,255	1,255	0.07	0.07	1.78	1,279
Strip Mall	4.15	3.91	3.06	21.2	0.05	0.05	251	251	0.04	25.6	25.6	—	4,481	4,481	0.25	0.25	6.37	4,568
City Park	0.01	0.01	0.01	0.03	< 0.005	< 0.005	0.41	0.41	< 0.005	0.04	0.04	—	7.35	7.35	< 0.005	< 0.005	0.01	7.49
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	15.4	14.5	11.4	78.8	0.18	0.17	934	934	0.16	95.3	95.4	—	16,684	16,684	0.92	0.92	23.7	17,006

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	30.8	29.3	18.9	155	0.35	0.31	1,873	1,873	0.29	191	191	—	35,501	35,501	1.69	1.77	110	36,180
Single Family Housing	21.7	20.6	13.3	109	0.25	0.22	1,327	1,327	0.21	135	135	—	25,137	25,137	1.19	1.25	78.1	25,617
Condo/Townhouse	9.55	9.07	5.88	48.2	0.11	0.10	585	585	0.09	59.6	59.7	—	11,083	11,083	0.53	0.55	34.4	11,295

Apartme Low Rise	7.73	7.34	4.76	39.0	0.09	0.08	473	474	0.07	48.2	48.3	—	8,970	8,970	0.42	0.45	27.9	9,141
Strip Mall	24.9	23.6	15.3	125	0.28	0.25	1,513	1,513	0.23	154	154	—	28,671	28,671	1.36	1.43	89.1	29,219
City Park	0.08	0.07	0.05	0.39	< 0.005	< 0.005	4.72	4.72	< 0.005	0.48	0.48	—	89.5	89.5	< 0.005	< 0.005	0.28	91.2
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	94.7	89.9	58.2	477	1.07	0.95	5,776	5,777	0.90	588	589	—	109,451	109,451	5.20	5.44	340	111,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	28.2	26.5	22.2	155	0.32	0.31	1,873	1,873	0.29	191	191	—	33,071	33,071	2.05	1.95	2.86	33,705
Single Family Housing	19.8	18.6	15.7	109	0.23	0.22	1,327	1,327	0.21	135	135	—	23,416	23,416	1.45	1.37	2.03	23,864
Condo/Townhouse	8.75	8.22	6.92	48.1	0.10	0.10	585	585	0.09	59.6	59.7	—	10,324	10,324	0.64	0.61	0.89	10,521
Apartments Low Rise	7.08	6.65	5.60	38.9	0.08	0.08	473	474	0.07	48.2	48.3	—	8,356	8,356	0.52	0.49	0.72	8,516
Strip Mall	22.8	21.4	18.0	125	0.26	0.25	1,513	1,513	0.23	154	154	—	26,708	26,708	1.66	1.57	2.31	27,220
City Park	0.07	0.07	0.06	0.39	< 0.005	< 0.005	4.72	4.72	< 0.005	0.48	0.48	—	83.4	83.4	0.01	< 0.005	0.01	85.0
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	86.8	81.5	68.5	476	1.00	0.95	5,776	5,777	0.90	588	589	—	101,959	101,959	6.32	5.99	8.82	103,911
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-No	5.14	4.84	3.78	26.2	0.06	0.06	311	311	0.05	31.7	31.7	—	5,548	5,548	0.31	0.31	7.88	5,656
Single Family Housing	3.53	3.33	2.61	18.1	0.04	0.04	215	215	0.04	21.9	22.0	—	3,841	3,841	0.21	0.21	5.46	3,915
Condo/Townhouse	1.43	1.34	1.05	7.32	0.02	0.02	86.8	86.9	0.01	8.86	8.87	—	1,551	1,551	0.09	0.09	2.20	1,581
Apartments Low Rise	1.15	1.09	0.85	5.92	0.01	0.01	70.3	70.3	0.01	7.17	7.18	—	1,255	1,255	0.07	0.07	1.78	1,279
Strip Mall	4.15	3.91	3.06	21.2	0.05	0.05	251	251	0.04	25.6	25.6	—	4,481	4,481	0.25	0.25	6.37	4,568
City Park	0.01	0.01	0.01	0.03	< 0.005	< 0.005	0.41	0.41	< 0.005	0.04	0.04	—	7.35	7.35	< 0.005	< 0.005	0.01	7.49
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	15.4	14.5	11.4	78.8	0.18	0.17	934	934	0.16	95.3	95.4	—	16,684	16,684	0.92	0.92	23.7	17,006

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,025	9,025	1.46	0.18	—	9,114

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,563	2,563	0.41	0.05	—	2,589
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	802	802	0.13	0.02	—	809
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	559	559	0.09	0.01	—	564
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	528	528	0.09	0.01	—	533
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,477	13,477	2.18	0.26	—	13,610
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,025	9,025	1.46	0.18	—	9,114
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,563	2,563	0.41	0.05	—	2,589
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	802	802	0.13	0.02	—	809
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	559	559	0.09	0.01	—	564
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	528	528	0.09	0.01	—	533
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,477	13,477	2.18	0.26	—	13,610
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,494	1,494	0.24	0.03	—	1,509
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.07	0.01	—	429
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.02	< 0.005	—	134
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	92.5	92.5	0.01	< 0.005	—	93.4
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	88.3
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,231	2,231	0.36	0.04	—	2,253

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.46	0.18	—	9,113
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,734	1,734	0.28	0.03	—	1,751
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	761	761	0.12	0.01	—	769
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	528	528	0.09	0.01	—	533
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	525	525	0.08	0.01	—	530
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,573	12,573	2.03	0.25	—	12,697
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.46	0.18	—	9,113
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,734	1,734	0.28	0.03	—	1,751
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	761	761	0.12	0.01	—	769
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	528	528	0.09	0.01	—	533
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	525	525	0.08	0.01	—	530

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,573	12,573	2.03	0.25	—	12,697
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,494	1,494	0.24	0.03	—	1,509
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	287	287	0.05	0.01	—	290
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	126	126	0.02	< 0.005	—	127
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	88.3
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	—	87.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,082	2,082	0.34	0.04	—	2,102

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,049	1,049	0.09	< 0.005	—	1,052
Single Family Housing	0.46	0.23	3.95	1.68	0.03	0.32	—	0.32	0.32	—	0.32	—	5,016	5,016	0.44	0.01	—	5,030
Condo/Townhouse	0.19	0.10	1.63	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,069	2,069	0.18	< 0.005	—	2,075
Apartments Low Rise	0.10	0.05	0.86	0.37	0.01	0.07	—	0.07	0.07	—	0.07	—	1,096	1,096	0.10	< 0.005	—	1,099
Strip Mall	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	300	300	0.03	< 0.005	—	301
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.88	0.44	7.58	3.69	0.05	0.61	—	0.61	0.61	—	0.61	—	9,530	9,530	0.84	0.02	—	9,556
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,049	1,049	0.09	< 0.005	—	1,052
Single Family Housing	0.46	0.23	3.95	1.68	0.03	0.32	—	0.32	0.32	—	0.32	—	5,016	5,016	0.44	0.01	—	5,030
Condo/Townhouse	0.19	0.10	1.63	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,069	2,069	0.18	< 0.005	—	2,075
Apartments Low Rise	0.10	0.05	0.86	0.37	0.01	0.07	—	0.07	0.07	—	0.07	—	1,096	1,096	0.10	< 0.005	—	1,099
Strip Mall	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	300	300	0.03	< 0.005	—	301

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.88	0.44	7.58	3.69	0.05	0.61	—	0.61	0.61	—	0.61	—	9,530	9,530	0.84	0.02	—	9,556
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	174	174	0.02	< 0.005	—	174
Single Family Housing	0.08	0.04	0.72	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	830	830	0.07	< 0.005	—	833
Condo/Townhouse	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	343	343	0.03	< 0.005	—	343
Apartments Low Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	181	181	0.02	< 0.005	—	182
Strip Mall	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	49.6	49.6	< 0.005	< 0.005	—	49.8
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.16	0.08	1.38	0.67	0.01	0.11	—	0.11	0.11	—	0.11	—	1,578	1,578	0.14	< 0.005	—	1,582

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,049	1,049	0.09	< 0.005	—	1,052
Single Family Housing	0.46	0.23	3.92	1.67	0.02	0.32	—	0.32	0.32	—	0.32	—	4,971	4,971	0.44	0.01	—	4,984
Condo/Townhouse	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,051	2,051	0.18	< 0.005	—	2,056
Apartments Low Rise	0.10	0.05	0.86	0.36	0.01	0.07	—	0.07	0.07	—	0.07	—	1,087	1,087	0.10	< 0.005	—	1,090
Strip Mall	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	297	297	0.03	< 0.005	—	298
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.87	0.44	7.52	3.67	0.05	0.60	—	0.60	0.60	—	0.60	—	9,454	9,454	0.84	0.02	—	9,480
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,049	1,049	0.09	< 0.005	—	1,052
Single Family Housing	0.46	0.23	3.92	1.67	0.02	0.32	—	0.32	0.32	—	0.32	—	4,971	4,971	0.44	0.01	—	4,984
Condo/Townhouse	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,051	2,051	0.18	< 0.005	—	2,056
Apartments Low Rise	0.10	0.05	0.86	0.36	0.01	0.07	—	0.07	0.07	—	0.07	—	1,087	1,087	0.10	< 0.005	—	1,090
Strip Mall	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	297	297	0.03	< 0.005	—	298

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.87	0.44	7.52	3.67	0.05	0.60	—	0.60	0.60	—	0.60	—	9,454	9,454	0.84	0.02	—	9,480
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	174	174	0.02	< 0.005	—	174
Single Family Housing	0.08	0.04	0.71	0.30	< 0.005	0.06	—	0.06	0.06	—	0.06	—	823	823	0.07	< 0.005	—	825
Condo/Townhouse	0.03	0.02	0.29	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	339	339	0.03	< 0.005	—	340
Apartments Low Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	180	180	0.02	< 0.005	—	180
Strip Mall	< 0.005	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	49.2	49.2	< 0.005	< 0.005	—	49.3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.16	0.08	1.37	0.67	0.01	0.11	—	0.11	0.11	—	0.11	—	1,565	1,565	0.14	< 0.005	—	1,570

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	11.4	10.7	0.85	92.5	< 0.005	0.09	—	0.09	0.07	—	0.07	—	295	295	0.01	< 0.005	—	296
Total	11.4	65.9	0.85	92.5	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	295	295	0.01	< 0.005	—	296
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	55.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	9.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	1.03	0.96	0.08	8.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Total	1.03	11.0	0.08	8.33	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	24.1	24.1	< 0.005	< 0.005	—	24.2

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	11.4	10.7	0.85	92.5	< 0.005	0.09	—	0.09	0.07	—	0.07	—	295	295	0.01	< 0.005	—	296
Total	11.4	65.9	0.85	92.5	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	295	295	0.01	< 0.005	—	296
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	55.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	9.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.03	0.96	0.08	8.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Total	1.03	11.0	0.08	8.33	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	24.1	24.1	< 0.005	< 0.005	—	24.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	292	267	560	30.0	0.72	—	1,524
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	36.6	124	161	3.77	0.09	—	282
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.9	17.3	36.2	1.94	0.05	—	98.6

Apartme Low Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	14.0	29.3	1.57	0.04	—	79.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.4	14.1	29.5	1.58	0.04	—	80.2
City Park	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	292	267	560	30.0	0.72	—	1,524
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	36.6	124	161	3.77	0.09	—	282
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.9	17.3	36.2	1.94	0.05	—	98.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	14.0	29.3	1.57	0.04	—	79.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.4	14.1	29.5	1.58	0.04	—	80.2
City Park	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	48.4	44.2	92.6	4.97	0.12	—	252
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.06	20.5	26.6	0.62	0.02	—	46.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	3.13	2.86	5.99	0.32	0.01	—	16.3
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2.53	2.32	4.85	0.26	0.01	—	13.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.55	2.33	4.88	0.26	0.01	—	13.3
City Park	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	62.7	72.2	135	6.44	0.15	—	342

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	292	267	560	30.0	0.72	—	1,524
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	36.6	124	161	3.77	0.09	—	282

Condo/T	—	—	—	—	—	—	—	—	—	—	—	18.9	17.3	36.2	1.94	0.05	—	98.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	14.0	29.3	1.57	0.04	—	79.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.4	14.1	29.5	1.58	0.04	—	80.2
City Park	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	292	267	560	30.0	0.72	—	1,524
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	36.6	124	161	3.77	0.09	—	282
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.9	17.3	36.2	1.94	0.05	—	98.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	14.0	29.3	1.57	0.04	—	79.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.4	14.1	29.5	1.58	0.04	—	80.2
City Park	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	379	436	815	38.9	0.93	—	2,065
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	48.4	44.2	92.6	4.97	0.12	—	252
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.06	20.5	26.6	0.62	0.02	—	46.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	3.13	2.86	5.99	0.32	0.01	—	16.3
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2.53	2.32	4.85	0.26	0.01	—	13.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.55	2.33	4.88	0.26	0.01	—	13.3
City Park	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	62.7	72.2	135	6.44	0.15	—	342

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	334	0.00	334	33.4	0.00	—	1,170

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	—	688
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	388
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	89.6	0.00	89.6	8.95	0.00	—	313
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	61.4	0.00	61.4	6.13	0.00	—	215
City Park	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.37
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	334	0.00	334	33.4	0.00	—	1,170
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	—	688
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	388
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	89.6	0.00	89.6	8.95	0.00	—	313
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	61.4	0.00	61.4	6.13	0.00	—	215
City Park	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.37

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	55.4	0.00	55.4	5.53	0.00	—	194
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	32.6	0.00	32.6	3.26	0.00	—	114
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.3	0.00	18.3	1.83	0.00	—	64.2
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	10.2	0.00	10.2	1.02	0.00	—	35.6
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.23
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	131	0.00	131	13.1	0.00	—	460

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	334	0.00	334	33.4	0.00	—	1,170
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	—	688
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	388
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	89.6	0.00	89.6	8.95	0.00	—	313
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	61.4	0.00	61.4	6.13	0.00	—	215
City Park	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.37
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	334	0.00	334	33.4	0.00	—	1,170
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	—	688
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	388
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	89.6	0.00	89.6	8.95	0.00	—	313
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	61.4	0.00	61.4	6.13	0.00	—	215

City Park	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.37
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	793	0.00	793	79.3	0.00	—	2,775
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	55.4	0.00	55.4	5.53	0.00	—	194
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	32.6	0.00	32.6	3.26	0.00	—	114
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.3	0.00	18.3	1.83	0.00	—	64.2
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	10.2	0.00	10.2	1.02	0.00	—	35.6
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.23
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	131	0.00	131	13.1	0.00	—	460

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,589	17,589
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.51	7.51
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11	2.11
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.68	0.68
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,589	17,589
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.51	7.51
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11	2.11

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.68	0.68
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,912	2,912
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,914	2,914

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,589	17,589
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.51	7.51
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11	2.11
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.68	0.68
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,589	17,589
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.51	7.51
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11	2.11
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.68	0.68
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,601	17,601
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,912	2,912
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,914	2,914

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

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

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	2/1/2025	3/1/2025	5.00	20.0	—
Grading (1)	Grading	2/1/2025	4/1/2025	5.00	42.0	—
Grading (2)	Grading	2/1/2026	3/1/2026	5.00	20.0	—
Grading (3)	Grading	2/1/2027	3/1/2027	5.00	21.0	—
Building Construction (1)	Building Construction	2/1/2025	12/1/2025	5.00	216	—
Building Construction (2)	Building Construction	2/1/2026	8/1/2026	5.00	130	—
Building Construction (3)	Building Construction	2/1/2027	8/1/2027	5.00	130	—
Paving	Paving	10/1/2025	2/1/2026	5.00	88.0	—
Architectural Coating (1)	Architectural Coating	2/1/2025	12/1/2025	5.00	216	—
Architectural Coating (2)	Architectural Coating	2/1/2026	8/1/2026	5.00	130	—
Architectural Coating (3)	Architectural Coating	2/1/2027	8/1/2027	5.00	130	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading (1)	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading (1)	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading (1)	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading (1)	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading (1)	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading (2)	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading (2)	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading (2)	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading (2)	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading (2)	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading (3)	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading (3)	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading (3)	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading (3)	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading (3)	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction (1)	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction (1)	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction (1)	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction (1)	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction (1)	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction (2)	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction (2)	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction (2)	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction (2)	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction (2)	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction (3)	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction (3)	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction (3)	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction (3)	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction (3)	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
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 (1)	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating (2)	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

Architectural Coating (3)	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading (1)	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading (1)	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading (1)	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading (1)	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading (1)	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading (2)	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading (2)	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading (2)	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading (2)	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading (2)	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading (3)	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading (3)	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading (3)	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading (3)	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading (3)	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction (1)	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction (1)	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction (1)	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction (1)	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction (1)	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction (2)	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction (2)	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction (2)	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction (2)	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction (2)	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction (3)	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction (3)	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction (3)	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction (3)	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction (3)	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
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 (1)	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating (2)	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

Architectural Coating (3)	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading (1)	—	—	—	—
Grading (1)	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading (1)	Vendor	—	8.40	HHDT,MHDT
Grading (1)	Hauling	0.00	20.0	HHDT
Grading (1)	Onsite truck	—	—	HHDT
Building Construction (1)	—	—	—	—
Building Construction (1)	Worker	868	11.7	LDA,LDT1,LDT2
Building Construction (1)	Vendor	237	8.40	HHDT,MHDT
Building Construction (1)	Hauling	0.00	20.0	HHDT
Building Construction (1)	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating (1)	—	—	—	—
Architectural Coating (1)	Worker	521	11.7	LDA,LDT1,LDT2
Architectural Coating (1)	Vendor	—	8.40	HHDT,MHDT
Architectural Coating (1)	Hauling	0.00	20.0	HHDT
Architectural Coating (1)	Onsite truck	—	—	HHDT
Demolition	—	—	—	—

Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	2.90	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading (2)	—	—	—	—
Grading (2)	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading (2)	Vendor	—	8.40	HHDT,MHDT
Grading (2)	Hauling	0.00	20.0	HHDT
Grading (2)	Onsite truck	—	—	HHDT
Grading (3)	—	—	—	—
Grading (3)	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading (3)	Vendor	—	8.40	HHDT,MHDT
Grading (3)	Hauling	0.00	20.0	HHDT
Grading (3)	Onsite truck	—	—	HHDT
Building Construction (2)	—	—	—	—
Building Construction (2)	Worker	868	11.7	LDA,LDT1,LDT2
Building Construction (2)	Vendor	237	8.40	HHDT,MHDT
Building Construction (2)	Hauling	0.00	20.0	HHDT
Building Construction (2)	Onsite truck	—	—	HHDT
Building Construction (3)	—	—	—	—
Building Construction (3)	Worker	868	11.7	LDA,LDT1,LDT2
Building Construction (3)	Vendor	237	8.40	HHDT,MHDT
Building Construction (3)	Hauling	0.00	20.0	HHDT
Building Construction (3)	Onsite truck	—	—	HHDT
Architectural Coating (2)	—	—	—	—
Architectural Coating (2)	Worker	—	11.7	LDA,LDT1,LDT2
Architectural Coating (2)	Vendor	—	8.40	HHDT,MHDT

Architectural Coating (2)	Hauling	0.00	20.0	HHDT
Architectural Coating (2)	Onsite truck	—	—	HHDT
Architectural Coating (3)	—	—	—	—
Architectural Coating (3)	Worker	—	11.7	LDA,LDT1,LDT2
Architectural Coating (3)	Vendor	—	8.40	HHDT,MHDT
Architectural Coating (3)	Hauling	0.00	20.0	HHDT
Architectural Coating (3)	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading (1)	—	—	—	—
Grading (1)	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading (1)	Vendor	—	8.40	HHDT,MHDT
Grading (1)	Hauling	0.00	20.0	HHDT
Grading (1)	Onsite truck	—	—	HHDT
Building Construction (1)	—	—	—	—
Building Construction (1)	Worker	868	11.7	LDA,LDT1,LDT2
Building Construction (1)	Vendor	237	8.40	HHDT,MHDT
Building Construction (1)	Hauling	0.00	20.0	HHDT
Building Construction (1)	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating (1)	—	—	—	—
Architectural Coating (1)	Worker	521	11.7	LDA,LDT1,LDT2

Architectural Coating (1)	Vendor	—	8.40	HHDT,MHDT
Architectural Coating (1)	Hauling	0.00	20.0	HHDT
Architectural Coating (1)	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	2.90	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading (2)	—	—	—	—
Grading (2)	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading (2)	Vendor	—	8.40	HHDT,MHDT
Grading (2)	Hauling	0.00	20.0	HHDT
Grading (2)	Onsite truck	—	—	HHDT
Grading (3)	—	—	—	—
Grading (3)	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading (3)	Vendor	—	8.40	HHDT,MHDT
Grading (3)	Hauling	0.00	20.0	HHDT
Grading (3)	Onsite truck	—	—	HHDT
Building Construction (2)	—	—	—	—
Building Construction (2)	Worker	868	11.7	LDA,LDT1,LDT2
Building Construction (2)	Vendor	237	8.40	HHDT,MHDT
Building Construction (2)	Hauling	0.00	20.0	HHDT
Building Construction (2)	Onsite truck	—	—	HHDT
Building Construction (3)	—	—	—	—
Building Construction (3)	Worker	868	11.7	LDA,LDT1,LDT2
Building Construction (3)	Vendor	237	8.40	HHDT,MHDT
Building Construction (3)	Hauling	0.00	20.0	HHDT

Building Construction (3)	Onsite truck	—	—	HHDT
Architectural Coating (2)	—	—	—	—
Architectural Coating (2)	Worker	—	11.7	LDA,LDT1,LDT2
Architectural Coating (2)	Vendor	—	8.40	HHDT,MHDT
Architectural Coating (2)	Hauling	0.00	20.0	HHDT
Architectural Coating (2)	Onsite truck	—	—	HHDT
Architectural Coating (3)	—	—	—	—
Architectural Coating (3)	Worker	—	11.7	LDA,LDT1,LDT2
Architectural Coating (3)	Vendor	—	8.40	HHDT,MHDT
Architectural Coating (3)	Hauling	0.00	20.0	HHDT
Architectural Coating (3)	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating (1)	1,459,921	486,640	525,214	175,071	61,401
Architectural Coating (2)	872,098	290,699	313,742	104,581	36,678
Architectural Coating (3)	872,098	290,699	313,742	104,581	36,678

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Ton of Debris)	Material Exported (Ton of Debris)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	5,000	—
Grading (1)	0.00	0.00	300	0.00	—
Grading (2)	0.00	0.00	60.0	0.00	—
Grading (3)	0.00	0.00	63.0	0.00	—
Paving	0.00	0.00	0.00	0.00	57.5

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	5.93	0%
Condo/Townhouse	—	0%
Apartments Low Rise	—	0%
Strip Mall	0.00	0%
City Park	0.00	0%
Other Asphalt Surfaces	51.6	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005
2027	0.00	204	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
Refrigerated Warehouse-No Rail	7,313	7,313	7,313	2,669,172	41,324	41,324	41,324	15,083,164
Single Family Housing	5,079	5,133	4,600	1,831,571	28,964	29,271	26,234	10,445,641
Condo/Townhouse	2,035	2,263	1,746	739,571	11,606	12,906	9,957	4,217,853
Apartments Low Rise	1,647	1,832	1,413	598,574	9,393	10,445	8,058	3,413,730
Strip Mall	5,906	5,906	5,906	2,155,651	33,373	33,373	33,373	12,181,318
City Park	6.57	16.5	18.4	3,534	37.1	93.3	104	19,972
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
Refrigerated Warehouse-No Rail	7,313	7,313	7,313	2,669,172	41,324	41,324	41,324	15,083,164
Single Family Housing	5,079	5,133	4,600	1,831,571	28,964	29,271	26,234	10,445,641
Condo/Townhouse	2,035	2,263	1,746	739,571	11,606	12,906	9,957	4,217,853
Apartments Low Rise	1,647	1,832	1,413	598,574	9,393	10,445	8,058	3,413,730
Strip Mall	5,906	5,906	5,906	2,155,651	33,373	33,373	33,373	12,181,318
City Park	6.57	16.5	18.4	3,534	37.1	93.3	104	19,972
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

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	538
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	278
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	225
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	538
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	278
Conventional Wood Stoves	0

Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	225
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3204117	1,068,039	1,152,698	384,233	134,757

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)
Refrigerated Warehouse-No Rail	16,148,407	204	0.0330	0.0040	3,274,371
Single Family Housing	4,586,832	204	0.0330	0.0040	15,650,434
Condo/Townhouse	1,434,247	204	0.0330	0.0040	6,455,145
Apartments Low Rise	1,000,095	204	0.0330	0.0040	3,419,805
Strip Mall	944,955	204	0.0330	0.0040	935,576
City Park	0.00	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	204	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)
Refrigerated Warehouse-No Rail	16,147,266	204	0.0330	0.0040	3,273,490
Single Family Housing	3,102,835	204	0.0330	0.0040	15,509,954
Condo/Townhouse	1,362,383	204	0.0330	0.0040	6,398,411
Apartments Low Rise	944,650	204	0.0330	0.0040	3,390,328
Strip Mall	939,950	204	0.0330	0.0040	926,455
City Park	0.00	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	204	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)
Refrigerated Warehouse-No Rail	152,625,000	0.00
Single Family Housing	19,104,837	100,401,552
Condo/Townhouse	9,872,016	0.00
Apartments Low Rise	7,989,941	0.00
Strip Mall	8,034,239	0.00
City Park	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)
Refrigerated Warehouse-No Rail	152,625,000	0.00
Single Family Housing	19,104,837	100,401,552
Condo/Townhouse	9,872,016	0.00
Apartments Low Rise	7,989,941	0.00
Strip Mall	8,034,239	0.00
City Park	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)
Refrigerated Warehouse-No Rail	620	—
Single Family Housing	365	—

Condo/Townhouse	206	—
Apartments Low Rise	166	—
Strip Mall	114	—
City Park	0.72	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	620	—
Single Family Housing	365	—
Condo/Townhouse	206	—
Apartments Low Rise	166	—
Strip Mall	114	—
City Park	0.72	—
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
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	27.2	annual days of extreme heat
Extreme Precipitation	4.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	1	1	1	2
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	37.6
AQ-PM	20.7
AQ-DPM	52.7
Drinking Water	65.7
Lead Risk Housing	70.9
Pesticides	82.9
Toxic Releases	24.3
Traffic	46.7
Effect Indicators	—
CleanUp Sites	27.5
Groundwater	81.3
Haz Waste Facilities/Generators	89.3
Impaired Water Bodies	0.00
Solid Waste	70.4

Sensitive Population	—
Asthma	68.9
Cardio-vascular	63.7
Low Birth Weights	14.9
Socioeconomic Factor Indicators	—
Education	79.4
Housing	53.1
Linguistic	48.7
Poverty	59.5
Unemployment	80.4

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	45.16874118
Employed	62.37649172
Median HI	51.22545875
Education	—
Bachelor's or higher	36.60977801
High school enrollment	100
Preschool enrollment	35.44206339
Transportation	—
Auto Access	52.9449506
Active commuting	20.77505454
Social	—
2-parent households	59.47645323

Voting	43.96253048
Neighborhood	—
Alcohol availability	66.30309252
Park access	59.84858206
Retail density	25.68972154
Supermarket access	23.79058129
Tree canopy	73.4377005
Housing	—
Homeownership	62.73578853
Housing habitability	68.85666624
Low-inc homeowner severe housing cost burden	77.08199666
Low-inc renter severe housing cost burden	56.79455922
Uncrowded housing	34.15886052
Health Outcomes	—
Insured adults	43.11561658
Arthritis	0.0
Asthma ER Admissions	37.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	49.9
Cognitively Disabled	68.5
Physically Disabled	47.8
Heart Attack ER Admissions	39.3

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	74.3
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	42.6
English Speaking	36.0
Foreign-born	50.6
Outdoor Workers	13.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	57.2
Traffic Density	37.2
Traffic Access	23.0
Other Indices	—
Hardship	70.4
Other Decision Support	—
2016 Voting	52.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	50.0
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	Land uses consistent with as provided in the EIR Project Description.
Construction: Construction Phases	Construction schedule as provided by the applicant. Paving phases simplified for the purposes of modeling. Anticipated Construction end date of February 2027, as provided by Project applicant.
Operations: Vehicle Data	Trips rates adjusted to match Traffic Study; Trip rates for Commercial (i.e. Strip Mall) and DOC (i.e. Refrigerated Warehouse-No Rail) increased to match that as provided by the Traffic Study (Flecker Associates, 2023).
Construction: Dust From Material Movement	As provided by project applicant, soil cut and fill is balance on-site.

Source: EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: County
Region: San Joaquin
Calendar Year: 2023, 2025
Season: Annual
Vehicle Classification: EMFAC202x 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 Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Trips	Fuel Consumption	MPG	
Solano (SV)	2025	All Other Buses	Aggregate	Aggregate	Diesel	11.845630057924556	693.7400333	105.426107515528	0.079704927	**8.703854**	
Solano (SV)	2025	LDA	Aggregate	Aggregate	Gasoline	54038.91500053394	2220249.453	249954.1577	73.51702351	**30.20048**	
Solano (SV)	2025	LDA	Aggregate	Aggregate	Diesel	203.00981544001618	6556.990215	862.000571411636	0.1530952909973128	**42.82947**	
Solano (SV)	2025	LDT1	Aggregate	Aggregate	Gasoline	5345.624477972007	177872.4611	23322.6763200770	7.0689247853562955	**25.16259**	
Solano (SV)	2025	LDT1	Aggregate	Aggregate	Diesel	2.422154664794277	23.20183636	6.800113985	0.000947634	**24.48396**	
Solano (SV)	2025	LDT2	Aggregate	Aggregate	Gasoline	24426.875127369847	978985.1019	113831.420728666	39.60794323277876	**24.71689**	
Solano (SV)	2025	LDT2	Aggregate	Aggregate	Diesel	88.01675225428993	3702.320870	417.803796800821	0.1124548982128750	**32.92272**	
Solano (SV)	2025	LHD1	Aggregate	Aggregate	Gasoline	2377.822620040454	89679.656	35426.01408	9.317163328766517	**9.62521**	
Solano (SV)	2025	LHD1	Aggregate	Aggregate	Diesel	2519.5953017718493	91208.02930	31693.3392454002	5.747619683033011	**15.86884**	
Solano (SV)	2025	LHD2	Aggregate	Aggregate	Gasoline	251.06031783452235	9683.538637	3740.42465586080	1.108934047959353	**8.732294**	
Solano (SV)	2025	LHD2	Aggregate	Aggregate	Diesel	904.5965995181188	34646.58579	11378.6872394157	2.6449962232711464	**13.09892**	
Solano (SV)	2025	MCY	Aggregate	Aggregate	Gasoline	3810.2712119944613	21074.96261	7620.54242398892	0.5199903027094479	**40.52953**	
Solano (SV)	2025	MDV	Aggregate	Aggregate	Gasoline	18858.81276256821	677304.903	85654.9970668991	33.92832069969596	**19.96282**	
Solano (SV)	2025	MDV	Aggregate	Aggregate	Diesel	332.0049183313727	12431.63193	1530.592738	0.5130560450386764	**24.23055**	
Solano (SV)	2025	MH	Aggregate	Aggregate	Gasoline	524.3778411821467	4813.904847	52.4587592318619	1.090682844871057	**4.413661**	
Solano (SV)	2025	MH	Aggregate	Aggregate	Diesel	215.32276688351467	2016.027039	21.5322766883514	0.2148971622687049	**9.381357**	
Solano (SV)	2025	Motor Coach	Aggregate	Aggregate	Diesel	5.1044835086018265	682.4777908	117.301031027669	0.1229275260269445	**5.551871**	
Solano (SV)	2025	OBUS	Aggregate	Aggregate	Gasoline	65.63334159	5335.094526	1313.19189852240	1.1071340298034271	**4.818833**	
Solano (SV)	2025	PTO	Aggregate	Aggregate	Diesel	0	1504.462159	0	0.3021912299425487	**4.97851**	
Solano (SV)	2025	SBUS	Aggregate	Aggregate	Gasoline	11.34581589256122	715.4417330	45.3832635702448	0.069176533	**10.34226**	
Solano (SV)	2025	SBUS	Aggregate	Aggregate	Diesel	32.11231252213639	717.499796	464.986285320534	0.084413959	**8.499777**	
Solano (SV)	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	0.24813619732595216	16.17691646	5.70216981455037	0.001798273	**8.995807**	
Solano (SV)	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	0.3288837442437888	22.22920457	7.55774844272226	0.002472444	**8.990783**	
Solano (SV)	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	1.106759775607797	57.68966803	25.4333396434671	0.006317164	**9.132211**	
Solano (SV)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	1.8294866592239207	365.730218	42.0416034289656	0.0372350057276552	**9.822215**	**MHD**
Solano (SV)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	19.181749288617667	632.7990863	273.723562348574	0.076446781	**8.277642**	**8.563214**
Solano (SV)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	9.901233134401505	322.4397674	141.290596827909	0.0397257144517271	**8.116651**	
Solano (SV)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	22.27808437197253	729.8977138	317.908263988047	0.08834891	**8.261536**	
Solano (SV)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	1.4200395031743425	75.83824697	20.2639637102978	0.007991222	**9.490193**	
Solano (SV)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	53.039565297041506	2176.540005	613.137374833799	0.2544797143194778	**8.552902**	
Solano (SV)	2025	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	121.60500423688204	5272.283663	1405.75384897835	0.6193137776529883	**8.513106**	
Solano (SV)	2025	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	95.39671755126368	4059.193428	1102.78605489260	0.4805395337037358	**8.447158**	
Solano (SV)	2025	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	46.30332288269197	2112.702516	535.266412523919	0.2435469476835758	**8.674724**	
Solano (SV)	2025	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	1.0391261620097834	52.58819669	12.0122984328330	0.006187505	**8.499096**	
Solano (SV)	2025	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	4.011484870890984	255.4223723	46.3727651074997	0.0285854218973445	**8.935407**	
Solano (SV)	2025	T6 OOS Class 4	Aggregate	Aggregate	Diesel	0.3484342516641167	22.47755090	8.00701910324140	0.002471354	**9.095237**	
Solano (SV)	2025	T6 OOS Class 5	Aggregate	Aggregate	Diesel	0.4593019443442143	30.83515783	10.5547586810300	0.003396377	**9.078837**	
Solano (SV)	2025	T6 OOS Class 6	Aggregate	Aggregate	Diesel	1.5591265858962753	80.57314961	35.8287289438964	0.008694894	**9.26672**	
Solano (SV)	2025	T6 OOS Class 7	Aggregate	Aggregate	Diesel	2.363147054756825	585.8669896	54.3051193183118	0.059186745	**9.898618**	
Solano (SV)	2025	T6 Public Class 4	Aggregate	Aggregate	Diesel	20.841871351433348	714.8440494	106.918800032853	0.093286253	**7.662909**	
Solano (SV)	2025	T6 Public Class 5	Aggregate	Aggregate	Diesel	28.167444918082996	1024.175529	144.498992429765	0.1328319144768298	**7.710312**	
Solano (SV)	2025	T6 Public Class 6	Aggregate	Aggregate	Diesel	8.10191685	277.1321345	41.5628334387952	0.035994718	**7.699244**	
Solano (SV)	2025	T6 Public Class 7	Aggregate	Aggregate	Diesel	22.768545504149177	1031.764619	116.802638436285	0.1311854658449196	**7.864931**	
Solano (SV)	2025	T6 Utility Class 5	Aggregate	Aggregate	Diesel	29.523515124460204	1194.680775	377.900993593090	0.1343014930869561	**8.895514**	
Solano (SV)	2025	T6 Utility Class 6	Aggregate	Aggregate	Diesel	5.602672162	225.7412028	71.71420367	0.0252990511830513	**8.922912**	
Solano (SV)	2025	T6 Utility Class 7	Aggregate	Aggregate	Diesel	6.338769701120393	313.1431895	81.1362521743410	0.0348419450920857	**8.987535**	
Solano (SV)	2025	T6TS	Aggregate	Aggregate	Gasoline	128.9887148140482	9747.11302	2580.80620599947	2.0091507237540984	**4.85136**	
Solano (SV)	2025	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	647.5015787515641	130215.3964	14879.5862797109	21.025795950768785	**6.193126**	**HHD**
Solano (SV)	2025	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	583.4720870287559	156454.3503	13408.1885599208	24.554582188321326	**6.371697**	**5.460903**
Solano (SV)	2025	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	247.92785733480972	56887.9561	5697.38216155392	9.146612651863405	**6.219565**	
Solano (SV)	2025	T7 Other Port Class 8	Aggregate	Aggregate	Diesel	8.316315009055321	1544.070129	136.054913548145	0.2582073952151058	**5.979961**	
Solano (SV)	2025	T7 POAK Class 8	Aggregate	Aggregate	Diesel	27.542194476874844	2741.718329	450.590301641672	0.4677540094722422	**5.861453**	
Solano (SV)	2025	T7 Public Class 8	Aggregate	Aggregate	Diesel	55.95944916716245	2407.615756	287.071974227543	0.4596907073273202	**5.237469**	
Solano (SV)	2025	T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	56.00230764640768	3284.274447	527.541738029160	0.5654276210784436	**5.808479**	
Solano (SV)	2025	T7 Single Other Class 8	Aggregate	Aggregate	Diesel	75.65035019862148	3824.968581	712.626298871014	0.648472731	**5.898426**	
Solano (SV)	2025	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	19.57197219231773	1268.619675	90.0310720846615	0.5101530159866455	**2.486743**	
Solano (SV)	2025	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	735.2716527987528	53891.47020	10683.4971151658	8.776034512450954	**6.140754**	
Solano (SV)	2025	T7 Utility Class 8	Aggregate	Aggregate	Diesel	21.534104068826498	953.0009692	275.636532080979	0.1633581974679765	**5.833812**	
Solano (SV)	2025	T7IS	Aggregate	Aggregate	Gasoline	0.4944648493867035	32.13388358	9.89325270652916	0.0091828	**3.499356**	
Solano (SV)	2025	UBUS	Aggregate	Aggregate	Gasoline	7.189649634318652	338.1333994	28.7585985372746	0.039565014	**8.546273**	
Solano (SV)	2025	UBUS	Aggregate	Aggregate	Diesel	2.4708479899648457	176.4478280	9.88339195985938	0.0129868983340995	**13.5866**	
Solano (SV)	2027	All Other Buses	Aggregate	Aggregate	Diesel	12.485459731816695	709.3760494	111.120591613168	0.079432017	**8.930606**	
Solano (SV)	2027	LDA	Aggregate	Aggregate	Gasoline	53608.06050989372	2221579.128	247845.536591755	70.52567399495142	**31.50029**	
Solano (SV)	2027	LDA	Aggregate	Aggregate	Diesel	166.03956069570947	5297.173326	703.565248441556	0.1212414925890980	**43.69109**	
Solano (SV)	2027	LDT1	Aggregate	Aggregate	Gasoline	5017.659179890285	168277.9104	21867.9494652467	6.454144760527454	**26.07284**	
Solano (SV)	2027	LDT1	Aggregate	Aggregate	Diesel	1.1967069294194688	10.86062556	3.30318006774716	0.000424821	**25.56516**	
Solano (SV)	2027	LDT2	Aggregate	Aggregate	Gasoline	25104.264496191317	1011317.516	116824.935545199	39.05794720339054	**25.89275**	
Solano (SV)	2027	LDT2	Aggregate	Aggregate	Diesel	91.97807248546596	3849.231764	435.3039027	0.1123596672360635	**34.25813**	
Solano (SV)	2027	LHD1	Aggregate	Aggregate	Gasoline	2282.1474345531296	87010.25780	34000.5963751641	8.781061882	**9.908854**	
Solano (SV)	2027	LHD1	Aggregate	Aggregate	Diesel	2358.3345005492943	84589.62340	29664.8812321084	5.310864524238196	**15.92766**	
Solano (SV)	2027	LHD2	Aggregate	Aggregate	Gasoline	245.8554126712093	9539.833810	3662.87932423613	1.0645374591472354	**8.961482**	
Solano (SV)	2027	LHD2	Aggregate	Aggregate	Diesel	879.6569125577948	33148.22099	11064.9773515810	2.504448014569986	**13.23574**	
Solano (SV)	2027	MCY	Aggregate	Aggregate	Gasoline	3701.1709936769225	20315.51823	7402.34198735384	0.4969659997502773	**40.87909**	
Solano (SV)	2027	MDV	Aggregate	Aggregate	Gasoline	18431.69348871043	665033.9842	83539.45029	31.844919813694364	**20.88352**	
Solano (SV)	2027	MDV	Aggregate	Aggregate	Diesel	317.58439077974185	11407.02539	1447.28848945283	0.4583673406163077	**24.88621**	
Solano (SV)	2027	MH	Aggregate	Aggregate	Gasoline	467.57373619970116	4259.709416	46.7760765694181	0.9649132806875875	**4.414603**	
Solano (SV)	2027	MH	Aggregate	Aggregate	Diesel	208.93996585718563	1912.585246	20.8939965857185	0.2039534469372866	**9.377558**	
Solano (SV)	2027	Motor Coach	Aggregate	Aggregate	Diesel	5.5233907084903375	690.4884880	126.927518481107	0.1218262829781406	**5.667812**	

Solano (SV)	2027	OBUS	Aggregate	Aggregate	Gasoline	60.021134206615606	4600.452091	1200.90285320596	0.942178877	**4.88278**	
Solano (SV)	2027	PTO	Aggregate	Aggregate	Diesel	0	1500.655317	0	0.2942807180847816	**5.099401**	
Solano (SV)	2027	SBUS	Aggregate	Aggregate	Gasoline	12.142707821284562	795.4443111	48.5708312851382	0.07569982	**10.50788**	
Solano (SV)	2027	SBUS	Aggregate	Aggregate	Diesel	31.994912488287277	710.433636	463.286332830399	0.083030306	**8.556317**	
Solano (SV)	2027	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	0.24838284207138864	16.04926872	5.70783771080051	0.001758002	**9.129269**	
Solano (SV)	2027	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	0.3253358508574112	22.09420034	7.47621785270331	0.002425121	**9.110554**	**MHD**
Solano (SV)	2027	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	1.1555864776954852	56.97466094	26.5553772574422	0.006155634	**9.255693**	**8.697613**
Solano (SV)	2027	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	1.8598219363374533	365.5709400	42.7387080970346	0.036281163	**10.07605**	
Solano (SV)	2027	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	19.553015743134864	633.4617820	279.021534654534	0.075814367	**8.355432**	
Solano (SV)	2027	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	10.000281481169038	322.3658903	142.704016736282	0.0391500994339475	**8.234101**	
Solano (SV)	2027	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	22.535088425845288	729.6395373	321.575711836812	0.08734085	**8.353932**	
Solano (SV)	2027	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	1.5166255732907372	76.9867772	21.6422469308588	0.008125314	**9.47493**	
Solano (SV)	2027	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	53.44784166072197	2168.375657	617.857049597946	0.2508412587395719	**8.644414**	
Solano (SV)	2027	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	125.4417978042484	5266.539074	1450.10718261711	0.6128224697776476	**8.593907**	
Solano (SV)	2027	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	97.49471640232098	4051.873776	1127.03892161083	0.4740213229070196	**8.547872**	
Solano (SV)	2027	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	49.61731104973064	2120.921899	573.576115734886	0.2428953657316430	**8.731834**	
Solano (SV)	2027	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	1.075275779209422	53.57480614	12.4301880076609	0.006290428	**8.516877**	
Solano (SV)	2027	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	4.319534029353717	257.8379587	49.9338133793289	0.028498177	**9.047525**	
Solano (SV)	2027	T6 OOS Class 4	Aggregate	Aggregate	Diesel	0.3565730130642618	22.9064475	8.19404784021673	0.002444808	**9.369425**	
Solano (SV)	2027	T6 OOS Class 5	Aggregate	Aggregate	Diesel	0.4639375071628435	31.42352685	10.6612839146021	0.003367432	**9.331599**	
Solano (SV)	2027	T6 OOS Class 6	Aggregate	Aggregate	Diesel	1.6720684849080198	82.11057471	38.42413378	0.008594188	**9.554198**	
Solano (SV)	2027	T6 OOS Class 7	Aggregate	Aggregate	Diesel	2.4014624747822766	597.0459818	55.1856076704966	0.05845114	**10.21445**	
Solano (SV)	2027	T6 Public Class 4	Aggregate	Aggregate	Diesel	20.17966545054314	712.1597617	103.521683761286	0.091113018	**7.816224**	
Solano (SV)	2027	T6 Public Class 5	Aggregate	Aggregate	Diesel	28.170104045613652	1020.641215	144.512633753998	0.1305575742068986	**7.817557**	
Solano (SV)	2027	T6 Public Class 6	Aggregate	Aggregate	Diesel	7.790995428485403	275.6948662	39.9678065481301	0.035031027	**7.87002**	
Solano (SV)	2027	T6 Public Class 7	Aggregate	Aggregate	Diesel	22.53610918949378	1024.690513	115.610240142103	0.1276551815041833	**8.027019**	
Solano (SV)	2027	T6 Utility Class 5	Aggregate	Aggregate	Diesel	29.180634547553638	1174.019431	373.512122208686	0.1306272622425843	**8.987553**	
Solano (SV)	2027	T6 Utility Class 6	Aggregate	Aggregate	Diesel	5.528833354	221.7501691	70.7690669307568	0.0246028859251330	**9.013177**	
Solano (SV)	2027	T6 Utility Class 7	Aggregate	Aggregate	Diesel	6.182011016552207	306.5219411	79.1297410118682	0.033723779	**9.089193**	
Solano (SV)	2027	T6TS	Aggregate	Aggregate	Gasoline	125.59103287313168	10012.20568	2512.82538572561	2.0124522952247226	**4.975127**	
Solano (SV)	2027	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	654.7665831772637	130792.4239	15046.5360814135	20.47946550045526	**6.386516**	
Solano (SV)	2027	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	596.7826327476816	160376.1118	13714.0649005417	23.989786905021507	**6.685183**	**HHD**
Solano (SV)	2027	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	256.99913090369773	58313.93755	5905.84002816697	9.012278216	**6.470499**	**5.596219**
Solano (SV)	2027	T7 Other Port Class 8	Aggregate	Aggregate	Diesel	8.259323499296586	1637.892626	135.122532448492	0.2683116817459630	**6.10444**	
Solano (SV)	2027	T7 POAK Class 8	Aggregate	Aggregate	Diesel	27.296029499448895	2799.108729	446.563042610984	0.4704728954788457	**5.949564**	
Solano (SV)	2027	T7 Public Class 8	Aggregate	Aggregate	Diesel	56.31021728	2402.479430	288.871414655515	0.4516725179664007	**5.319074**	
Solano (SV)	2027	T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	58.29760526783885	3248.918463	549.1634416	0.5528951102373797	**5.876193**	
Solano (SV)	2027	T7 Single Other Class 8	Aggregate	Aggregate	Diesel	81.82466414399595	3852.820041	770.788336236442	0.6465823887013491	**5.958746**	
Solano (SV)	2027	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	18.386329714859226	1191.824551	84.5771166883524	0.4667091544093761	**2.553677**	
Solano (SV)	2027	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	795.0597465183718	54701.79334	11552.2181169119	8.769838846957436	**6.237491**	
Solano (SV)	2027	T7 Utility Class 8	Aggregate	Aggregate	Diesel	22.06185602709758	949.8809566	282.391757146849	0.1611402258229732	**5.894748**	
Solano (SV)	2027	T7IS	Aggregate	Aggregate	Gasoline	0.394335177	32.74486455	7.88985821407670	0.008805948	**3.718494**	
Solano (SV)	2027	UBUS	Aggregate	Aggregate	Gasoline	7.230462849571561	340.0986835	28.9218513982862	0.037413121	**9.090359**	
Solano (SV)	2027	UBUS	Aggregate	Aggregate	Diesel	3.690980682176327	244.2484978	14.7639227287053	0.0179771575844516	**13.5866**	

On-road Mobile (Operational) Energy Usage

Unmitigated:

Step 1:

Therefore:

Average Daily VMT:

124,697	Source: CalEEMod

Step 2: Given:

Fleet Mix (CalEEMod Output)

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Check
48.20%	4.11%	20.93%	15.63%	3.82%	0.93%	0.53%	2.17%	0.07%	0.02%	3.01%	0.04%	0.55%	100.0%

And:

Gasoline MPG Factors for each Vehicle Class - Year 2027 (EMFAC2021 Output)

LDA	LDT1	LDT2	MDV	MCY	MH
31.500	26.073	25.893	20.884	40.879	4.415

Diesel MPG Factors for each Vehicle Class - Year 2027 (EMFAC2021 Output)

LHD1	LHD2	MHD	HHD	OBUS	UBUS	SBUS
15.928	13.236	8.697612673	5.596	4.883	13.587	8.556

Therefore:

Weighted Average MPG Factors

Gasoline: **28.3** Diesel: **11.9**

Step 3: **Therefore:**

4,067	**daily gallons of gasoline**	**793**	**daily gallons of diesel**

or

1,484,562	**annual gallons of gasoline**	**289,281**	**annual gallons of diesel**

Off-road Mobile (Construction) Energy Usage

Note: For the sake of simplicity, and as a conservative estimation, it was assumed that all off-road vehicles use diesel fuel as an energy source.

Given Factor:	**890.2**	**metric tons**	**CO2**	**(provided in CalEEMod Output File)**
Conversion Factor:	2204.6262	pounds	per metric ton	
Intermediate Result:	**1,962,558**	**pounds**	**CO2**	
Conversion Factor:	22.38	pounds	CO2 per 1 gallon of diesel fuel	Source: U.S. EIA, 2016
Final Result:	**87,693**	**gallons**	**diesel fuel**	http://www.eia.gov/tools/faqs/faq.cfm?id=307&t=11

Mitigated Onsite Scenario	Total CO2 (MT/yr) (provided in CalEEMod Output File)
Demolition	31.2000
Grading (Phase 1)	126
Grading (Phase 2)	60.1
Grading (Phase 3)	63
Building Construction (Phase 1)	236
Building Construction (Phase 2)	142
Building Construction (Phase 3)	142
Paving (2025)	45.2
Paving (2026)	15.7
Architectural Coatings (Phase 1)	13.1
Architectural Coatings (Phase 2)	7.9
Architectural Coatings (Phase 3)	7.9

On-road Mobile (Construction) Energy Usage - Grading (1)

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

20

Worker Trip Length (miles) (CalEEMod Output)

11.7

Therefore:

Average Worker Daily VMT:

234

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Therefore:

Weighted Average Worker MPG Factor

27.6

Step 3: **Therefore:**

8.5 **Worker daily gallons of gasoline**

Step 4: 42 **# of Days (CalEEMod Output)**

Therefore:

Result: **356** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Building Construction (1)

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1:

Total Daily Worker Trips (CalEEMod Output)

868

Total Vendor Trips (CalEEMod Output)

237

Worker Trip Length (miles) (CalEEMod Output)

11.7

Vendor Trip Length (miles) (CalEEMod Output)

8.4

Therefore:

Average Worker Daily VMT:

10,156

Average Vendor Daily VMT:

1,991

Step 2: Given:

Assumed Fleet Mix for Workers

LDA	LDT1	LDT2
0.5	0.25	0.25

(Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

Fleet Mix for Workers (Conservative Estimate)

MHD	HHD
0%	100%

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Diesel:

MHD	HHD
8.56	5.46

Therefore:

Weighted Average Worker MPG Factor

27.6

Weighted Average Hauling (Diesel) MPG Factor

5.5

Step 3: **Therefore:**

368.4 Worker daily gallons of gasoline

Step 4: 216 **# of Days (CalEEMod Output)**

Therefore:

Result: **79,565** **Total gallons of gasoline**

Therefore:

365 **Total gallons of diesel**

On-road Mobile (Construction) Energy Usage - Paving

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

15

Worker Trip Length (miles) (CalEEMod Output)

11.7

Therefore:

Average Worker Daily VMT:

176

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Therefore:

Weighted Average Worker MPG Factor

27.6

Step 3: **Therefore:**

6.4 **Worker daily gallons of gasoline**

Step 4: 88 **# of Days (CalEEMod Output)**

Therefore:

Result: **560** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Arch Coating (1)

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

521

Worker Trip Length (miles) (CalEEMod Output)

11.7

Therefore:

Average Worker Daily VMT:

6,096

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Therefore:

Weighted Average Worker MPG Factor

27.6

Step 3: **Therefore:**

221.1 Worker daily gallons of gasoline

Step 4: 216 **# of Days (CalEEMod Output)**

Therefore:

Result: **47,757** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Demolition

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

15

Worker Trip Length (miles) (CalEEMod Output)

11.7

Therefore:

Average Worker Daily VMT:

176

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Therefore:

Weighted Average Worker MPG Factor

27.6

Step 3: **Therefore:**

6.4 **Worker daily gallons of gasoline**

Step 4: 20 **# of Days (CalEEMod Output)**

Therefore:

Result: **127** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Grading (2)

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

20

Worker Trip Length (miles) (CalEEMod Output)

11.7

Therefore:

Average Worker Daily VMT:

234

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Therefore:

Weighted Average Worker MPG Factor

27.6

Step 3: **Therefore:**

8.5 **Worker daily gallons of gasoline**

Step 4: 20 **# of Days (CalEEMod Output)**

Therefore:

Result: **170** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Grading (3)

Note: Year 2021 MPG factors were derived for construction-releated energy consumption (for the sake of a conservative estimate).

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

20

Worker Trip Length (miles) (CalEEMod Output)

11.7

Therefore:

Average Worker Daily VMT:

234

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Therefore:

Weighted Average Worker MPG Factor

27.6

Step 3: **Therefore:**

8.5 **Worker daily gallons of gasoline**

Step 4: 21 **# of Days (CalEEMod Output)**

Therefore:

Result: **178** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Building Construction (2)

Step 1:

Total Daily Worker Trips (CalEEMod Output)

868

Total Vendor Trips (CalEEMod Output)

237

Worker Trip Length (miles) (CalEEMod Output)

11.7

Vendor Trip Length (miles) (CalEEMod Output)

8.4

Therefore:

Average Worker Daily VMT:

10,156

Average Vendor Daily VMT:

1,991

Step 2:

Given:

Assumed Fleet Mix for Workers

LDA	LDT1	LDT2
0.5	0.25	0.25

(Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

Fleet Mix for Workers (Conservative Estimate)

MHD	HHD
0%	100%

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Diesel:

MHD	HHD
8.56	5.46

Therefore:

Weighted Average Worker MPG Factor

27.6

Weighted Average Hauling (Diesel) MPG Factor

5.5

Step 3:

Therefore:

368.4 **Worker daily gallons of gasoline**

Step 4:

130 **# of Days (CalEEMod Output)**

Therefore:

Result: **47,886** **Total gallons of gasoline**

Therefore:

365 **Total gallons of diesel**

On-road Mobile (Construction) Energy Usage - Building Construction (3)

Step 1:

Total Daily Worker Trips (CalEEMod Output)

868

Total Vendor Trips (CalEEMod Output)

237

Worker Trip Length (miles) (CalEEMod Output)

11.7

Vendor Trip Length (miles) (CalEEMod Output)

8.4

Therefore:

Average Worker Daily VMT:

10,156

Average Vendor Daily VMT:

1,991

Step 2:

Given:

Assumed Fleet Mix for Workers

LDA	LDT1	LDT2
0.5	0.25	0.25

(Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

Fleet Mix for Workers (Conservative Estimate)

MHD	HHD
0%	100%

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2021 Output) - Year 2025

LDA	LDT1	LDT2
30.200	25.163	24.717

Diesel:

MHD	HHD
8.56	5.46

Therefore:

Weighted Average Worker MPG Factor

27.6

Weighted Average Hauling (Diesel) MPG Factor

5.5

Step 3:

Therefore:

368.4 **Worker daily gallons of gasoline**

Step 4:

130 **# of Days (CalEEMod Output)**

Therefore:

Result: **47,886** **Total gallons of gasoline**

Therefore:

365 **Total gallons of diesel**